



Firestone Building Products

RubberGard™ EPDM Roof Systems

Tested Assembly Guide

July 2021

It is the responsibility of the user of this document to verify the included assemblies in the charts below with the associated Firm's (UL, FM, etc.). The listed assemblies in this document may not contain all components of the approved assembly. It is the responsibility of the user to validate all components listed within the tested assembly.

It is the responsibility of the user of this document to verify that all assemblies used meet Firestone Building Products warranty requirements. This can be validated by contacting the Regional Building Systems Advisor.

Underwriters Laboratories (UL) External Fire Ratings	9
General Notations	10
Firestone RubberGard EPDM – General Components	11
Firestone RubberGard EPDM – Ballasted	12
Firestone RubberGard EPDM – Adhered Membrane	14
Firestone RubberGard EPDM LS-FR – Adhered Membrane – Class A	14
Firestone RubberGard EPDM LS-FR – Adhered Membrane – Class B	15
Firestone RubberGard EPDM LS-FR – Adhered Membrane – Class C	16
Firestone RubberGard Platinum EPDM – Adhered Membrane – Class A	17
Firestone RubberGard Platinum EPDM – Adhered Membrane – Class B	18
Firestone Fire Retardant RubberGard EPDM – Adhered Membrane – Class A	18
Firestone Fire Retardant RubberGard – Adhered Membrane – Class B	20
Firestone RubberGard MAX, MAX PT and/or MAX FR – Adhered Membrane – Class A	20
Firestone RubberGard MAX, MAX PT and/or MAX FR – Adhered Membrane – Class B	23
Firestone RubberGard EPDM SA or FullForce – Self Adhered Membrane – Class A	24
Firestone RubberGard EPDM SA or FullForce – Self Adhered Membrane – Class B	24
Firestone RubberGard EcoWhite EPDM – Adhered Membrane – Class A	24
Firestone RubberGard EcoWhite EPDM – Adhered Membrane – Class B	26
Firestone RubberGard EcoWhite EPDM – Ballasted Membrane – Class A	26
Firestone RubberGard LS-FR EPDM – Mechanically Attached Membrane – Class A	26
Firestone RubberGard LS-FR EPDM – Mechanically Attached Membrane – Class B	27
Firestone RubberGard Platinum EPDM – Mechanically Attached Membrane – Class A	28
Firestone RubberGard MAX, MAX PT and/or MAX FR EPDM – Mechanically Attached Membrane – Class A	28
Firestone RubberGard MAX, MAX PT or MAX FR EPDM – Mechanically Attached Membrane – Class B	31
Firestone Fire Retardant RubberGard – Mechanically Attached Membrane – Class A	31
Firestone RubberGard EPDM – Maintenance and Repair Systems – Class A	32
Firestone RubberGard EPDM – Maintenance and Repair Systems – Class A, B or C	33
UL Internal Fire Ratings	34
UL Roof Deck Constructions and “P” Assemblies	34
Deck Constructions (Tested in accordance to UL 1256)	34
“P” Assemblies (Designs)	34
Factory Mutual General Information	35
Ground Roughness Definitions	35

Ballasted Systems.....	36
General Notations	36
Large Wall Opening Enhancement.....	37
Factory Mutual (FM) Hail Ratings	38
Roof Zone Definition – Factory Mutual (FM).....	39
Roof Zone Layout Based on Building Height.....	39
Roof Elevation Changes	40
Prescriptive Enhancement Options: Perimeter and Corner.....	40
Adhered Membrane – Insulation Enhancements (choose one):.....	40
Mechanically Attached Membrane – Membrane Securement Enhancements – In Seam	40
Invisiweld Attached Membrane – Membrane Securement Enhancements	41
Base Sheet Attachment Over FM Approved Deck Types:.....	41
Base Sheet – Mechanically Attached (choose one):	41
Mechanically Attached Membrane – Preliminary Insulation Securement	41
ASCE 7 – Basic Wind Speeds for Risk/Occupancy Category	42
ASCE - American Society of Civil Engineers - Roof Zones.....	42
ASCE 7-10 (IBC 2015/2012)	42
ASCE 7-10 Perimeter and Corner Definition - Examples	42
ASCE 7-16 (IBC 2018)	43
ASCE 7-16 Perimeter and Corner Definition – Examples	43
FM RoofNav Assemblies	45
Firestone RubberGard EPDM LS-FR – Adhered Membrane	45
Steel Deck – Gypsum Cover Board (Attached) – ISO (CF).....	45
60 PSF	45
75 PSF	46
90 PSF	47
105 PSF	48
120 PSF	48
135 PSF	49
150 PSF	49
165 PSF	50
180 PSF	51
210 PSF	51

255 PSF	51
Firestone EPDM – Adhered Membrane – Jet Bond Spay Adhesive.....	52
Steel Deck – ISO Insulation (Attached)	52
60 PSF	52
75 PSF	52
90 PSF	53
105 PSF	53
120 PSF	54
135 PSF	54
165 PSF	54
225 PSF	55
300 PSF	55
Steel Deck – ISO Insulation (Adhered) - ISO Insulation (Attached).....	55
60 PSF	55
90 PSF	55
150 PSF	56
165 PSF	56
225 PSF	57
255 PSF	57
Steel Deck – ISOGARD HD (Attached) - ISO Insulation (Attached).....	57
90 PSF	57
120 PSF	57
Steel Deck – ISOGARD HD/ISOGARD HD Comp. (Adhered) - ISO Insulation (Attached)	58
75 PSF	58
90 PSF	58
120 PSF	59
165 PSF	59
180 PSF	60
Steel Deck – ISOGARD HD/ISOGARD HD Comp. (Adhered) – ISO Insulation (Adhered) – ISO Insulation (Attached).....	61
75 PSF	61
90 PSF	61
210 PSF	62
Steel Deck – Gypsum Cover Board (Adhered) – ISO Insulation (Attached).....	62

75 PSF	62
90 PSF	63
Steel Deck – Gypsum Cover Board (Adhered) – ISO Insulation (Adhered) – ISO Insulation (Attached)	63
75 PSF	63
90 PSF	63
FM RoofNav Assemblies	64
Firestone EPDM – LS-FR - Fully Adhered Uplift Ratings	64
Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane	64
Firestone EPDM LS-FR - Fully Adhered Uplift Ratings.....	67
Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane	67
Firestone EPDM – MAX/MAX FR - Fully Adhered Uplift Ratings	68
Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation.....	68
Firestone RubberGard EPDM MAX/MAX FR - Fully Adhered Uplift Ratings	72
Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane.....	72
Firestone EPDM – Platinum - Fully Adhered Uplift Ratings	73
Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane	73
Firestone EPDM – Platinum - Fully Adhered Uplift Ratings	77
Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane.....	77
Firestone EcoWhite EPDM – Fully Adhered Uplift Ratings	78
Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane	78
Firestone – Fully RubberGard EcoWhite Adhered Uplift Ratings.....	80
Re-Cover Construction – Treated Wood Deck – Mechanically Attached Insulation/Cover Board	80
Firestone EcoWhite EPDM - Fully Adhered Uplift Ratings	80
Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane.....	80
Firestone EPDM – LS-FR - Fully Adhered Uplift Ratings	81
Concrete Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane.....	81
Firestone RubberGard EPDM LS-FR/Self-Adhered (SA)– Fully Adhered Uplift Ratings	82
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane	82
Firestone RubberGard EPDM LS-FR/Self-Adhered – Fully Adhered Uplift Ratings	86
Re-Roof Construction –	86
Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane.....	86
Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings	86
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane	86

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings	91
Re-Roof Construction –	91
Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane.....	91
Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings	91
Re-Cover Construction –	91
Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane.....	91
Firestone RubberGard EPDM MAX/MAX FR - Fully Adhered Uplift Ratings	92
Concrete Deck – Mechanically Attached Insulation – Adhered Insulation/Cover Board – Adhered Membrane.....	92
Firestone RubberGard EPDM Platinum – Fully Adhered Uplift Ratings.....	94
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane	94
Firestone RubberGard EPDM Platinum – Fully Adhered Uplift Ratings.....	97
Re-Roof Construction –	97
Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane.....	97
Firestone RubberGard EPDM Platinum - Fully Adhered Uplift Ratings.....	98
Concrete Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane.....	98
Firestone EcoWhite – Fully Adhered Uplift Ratings	98
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board.....	98
Firestone EcoWhite – Fully Adhered Uplift Ratings	99
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board.....	99
Firestone EcoWhite – Fully Adhered Uplift Ratings	102
Steel Deck, New Construction – Attached Insulation with Adhered Cover Board	102
Firestone EcoWhite – Fully Adhered Uplift Ratings	103
Steel Deck, New Construction – Attached Insulation, Adhered Insulation and Adhered Cover Board	103
Firestone – Fully Adhered Uplift Ratings	104
Re-Cover Construction – Treated Wood Deck – Mechanically Attached Insulation/Cover Board	104
Firestone RubberGard LS-FR Mechanically Attached Uplift Ratings	104
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board.....	104
Firestone RubberGard LS-FR – QuickSeam R.M.A. - Mechanically Attached Uplift Ratings.....	105
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board	105
Firestone RubberGard MAX Mechanically Attached Uplift Ratings	106
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board.....	106
Firestone RubberGard MAX FR (Fire Retardant) Mechanically Attached Uplift Ratings.....	108
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board.....	108

Firestone RubberGard MAX – QuickSeam R.MA. - Mechanically Attached Uplift Ratings.....	111
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board	111
Firestone RubberGard MAX FR (Fire Retardant) – QuickSeam R.MA. –	113
Mechanically Attached Uplift Ratings.....	113
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board.....	113
Firestone RubberGard Platinum Mechanically Attached Uplift Ratings	116
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board.....	116
Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings.....	118
Concrete Deck, New Construction – Adhered Insulation/Cover Board – Self Adhered Membrane.....	118
Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings.....	124
Concrete Deck, New Construction – Attached Insulation/Cover Board – Self Adhered Membrane	124
Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings.....	125
Concrete Deck, New Construction – Adhered Cover Board/Insulation - Attached Insulation – Self Adhered Membrane.....	125
Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings.....	128
Steel Deck, New Construction – Thermal Barrier Attached - Adhered Insulation/Cover Board – Self Adhered Membrane.....	128
Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings.....	133
Steel Deck, New Construction – Attached Insulation – Adhere Cover Board – Self Adhered Membrane.....	133
Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings.....	136
Steel Deck, New Construction – Attached Insulation/Cover Board – Self Adhered Membrane	136
Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings.....	138
Steel Deck, New Construction – Attached Insulation - Adhered Insulation/Cover Board - Self Adhered Membrane	138
Firestone FullForce EPDM – Fully Adhered Uplift Ratings.....	142
Steel Deck, New Construction – Attached Insulation - Self Adhered Membrane	142
Firestone FullForce EPDM – Fully Adhered Uplift Ratings.....	143
Steel Deck, New Construction – Attached Insulation – Adhered Insulation - Self Adhered Membrane.....	143
Firestone RubberGard MAX – Metal Building Re-cover	145
Standing/Lap Seam Roof (Insulated), Attached Insulation – RMA/Batten Attached Membrane	145
Standing/Lap Seam Roof (Insulated), Attached Insulation – RMA/Batten Attached Membrane	146
Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – RMA/Batten Attached Membrane.....	146
Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – RMA/Plate and Fastener Attached Membrane.....	148
Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – Fastener and Batten Strip Attached Membrane.....	149

Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – Plate/Fastener Attached Membrane 150

Factory Mutual Ballast Guidelines 151

Underwriters Laboratories (UL) External Fire Ratings

All regional building codes and most local building code officials require that roofing systems meet minimum performance requirements when exposed to external fire sources. The accepted method for measuring external fire resistance is **ASTM E-108**. This test standard, and closely related standards such as Underwriters Laboratories **UL-790** and **Uniform Building Code 15-2**, is used to determine the ability of a roof system to hinder the horizontal spread or vertical penetration of an external fire source. In accordance with these standards, all classified roof covering assemblies fall into one of the three following categories.

- **CLASS A:** Includes roof coverings which are effective against **severe** fire exposures
- **CLASS B:** Includes roof coverings which are effective against **moderate** fire exposures
- **CLASS C:** Includes roof coverings which are effective against **light** fire exposures

Noncombustible Roof Decks (NC): Steel, Concrete, Poured Gypsum – require testing for horizontal spread of flame.

Combustible Roof Decks (C): Wood, Plywood, Tectum – require testing for both horizontal spread and vertical penetration of flame.

The following information has been referenced from the UL Online Certification Directory document: [TGFU.GuideInfo](#)

Certified gypsum wallboard, any thickness, may be included in any roofing system without adversely affecting the certification. Insulations may be attached to the deck with fasteners, hot mopping asphalt or certified adhesive.

Certified insulated systems may be installed over existing certified insulated systems when:

- 1) the new system is certified for use with the existing roof insulation type (glass fiber, perlite, wood fiber, foamed plastic, etc.),
- 2) the total thickness of insulation in both systems does not exceed the maximum specified for the new system being applied.

MAINTENANCE AND REPAIR SYSTEMS

These roofing systems are composed of various types of roofing applications which are specifically limited for installation (recover) over existing roofing systems as specified. These systems may not meet certification requirements without being used over existing systems. Recovering may also be accomplished with certified new construction roofing systems where compatibility has been determined by test, by empirical data or by known performance properties of similar materials to the test methods. The following guidelines are provided to assist Authorities Having Jurisdiction in determining the suitability of a new construction roofing system as a recover system.

Noncombustible Deck Construction:

- 1) Insulated roof systems may be utilized over any type of existing roof system and maintain its new construction rating when the roof deck is noncombustible.
- 2) Insulated multiple-layered hot mopped, cold application or modified bitumen membrane new construction systems with a base ply of Type G1 or Type G2 may be used over any existing roof system and maintain its new construction rating when the roof deck is noncombustible. The insulation may be omitted from the re-cover system.
- 3) Uninsulated multiple-layered hot mopped, cold application or modified bitumen membrane new construction systems with a base ply of Type G1 or Type G2 may be used over any existing uninsulated roof system and maintain its new construction rating when the roof deck is noncombustible.

Combustible Deck Construction:

- 1) Insulated roof systems certified for use over combustible deck can be used over any type of existing roof system and maintain its new construction rating.
- 2) Insulated roof systems certified for use over noncombustible deck may be used over any type of Class A, B or C existing roof systems. The resultant Class will be the lesser rating of the existing system or the new construction (recover) system.
- 3) Uninsulated multiple-layered hot mopped, cold application or modified bitumen membrane new construction systems with a base ply of Type G1 or Type G2 may be used over any existing uninsulated roof system and maintain its new construction rating.

The class of roof covering required by each regional building code depends upon many factors, including the use and location of the building and the type of construction. The local building authority *should always be consulted* as to what the roofing assembly classification will need to be for each roofing project.

It should be noted that these classifications apply to **roofing assemblies**, and **NOT the roofing membrane**. A roofing membrane that is classified as part of a Class A assembly when installed over a particular insulation may not qualify as part of a Class A assembly with another insulation.

The "UL Item Number" in the following listings has been added as a service to those who have the UL Building Materials Directory. It identifies the UL listing from which our Code Approval Guide listing derives (e.g., "A,FA,23" means Class A, Fully Adhered, item number 23; "B,MA,04" means Class B, Mechanically Attached, item number 04, etc.).

General Notations

- **PLEASE NOTE:** Not all FM-rated assemblies that use Firestone roofing products are eligible for the Firestone Red Shield or Platinum Warranty. The Firestone standards, guidelines, and specifications regarding roofing system components and attachment for the warranty desired must be followed.
- If a discrepancy occurs between this guide and UL Certifications, the published information located in the UL Certifications Directory at www.ul.com or Factor Mutual listings found at www.RoofNav.com should be adhered to and utilized.
- If Firestone Building products requirements for warranty exceed those of the listed assemblies within this document, then the Firestone requirements should be followed.
- (UL) Noncombustible decks Classifications are acceptable for use over combustible (15/32" minimum plywood) decks when ½" gypsum board or ¼" DensDeck® are used directly over the deck with all joints staggered 6" minimum from plywood joints.
- The below stated assemblies may not be suitable for a Firestone Warranty. Prior to installation, contact a Firestone Representative for approval of assembly for warranty purposes.
- (UL) HAILGARD Insulation is an acceptable alternative to all insulations in the following Classifications except where DensDeck is stated.
- (UL) An optional layer of gypsum board may be placed between the insulation and roof deck on all ballasted systems.
- (UL) As an alternate a Firestone Ballast Paver® system may be issued in lieu of ballast and maintain the Classification of any classified ballasted assembly.
- (UL) Fire Retardant Reinforced or RubberGard MAX FR EPDM membrane is an acceptable alternate to Fire Retardant RubberGard in all applicable Classifications.
- (UL) Standard RubberGard membrane or RubberGard MAX FR EPDM membrane is an acceptable alternate to Standard RubberGard in all applicable classifications.
- (UL) RubberGard MAX PT and RubberGard LS-FR PT are acceptable alternates for RubberGard MAX (45 or 60 mil) or RubberGard LS-FR (45 and 60 mil) used in any fully adhered or mechanically fastened Class A, B or C roof covering system.
- (UL) References to Type G1 and Type G2 ply and base sheets include "Ply IV", "Ply VI" (Type G1), "MB Base" (Type G2) in any of the following Classifications. Firestone "Venting Base Sheet" (Type G3) may be used in lieu of any Type G2 base in any applicable non-combustible Classification. The Firestone Channel Venting Base (mechanically attached only) may be used in all assemblies where the Firestone MB Base is listed on Non-combustible decks.
- (UL & FM) Primers may be required. Please review the actual RoofNav and UL listings to verify.
- (UL & FM) Optional Coating/Surfacing may be available. Please review the actual RoofNav and UL listings to verify.
- ISOGARD GL™ is trademarked.
- When Oriented Strand Board (OSB) is used the smooth side of the board should be placed facing up.

Firestone RubberGard EPDM – General Components

Membrane: Firestone RubberGard EPDM
Adhesive: See Note 1
Construction: New or Tear-off
Classification: Class A, B or C (See Note 1)

UL Assembly Number	Deck	Roofing System	Maximum Slope	Class
1	NC	Insulation: Any UL Classified, any thickness, adhered with Twin Jet or Quick Dual. Membrane: Any UL Classified modified bitumen system, BUR system or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system suitable for use with any roof insulation Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU) currently limited to noncombustible roof deck.	See Note 1	A, B or C See Note 1
2	NC	Vapor Barrier (Optional): V-Force, Vapor Shield Membrane self-adhered. Roofing System: Any Insulated UL Classified modified bitumen system, BUR system, or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system. Insulation may be adhered with I.S.O. Twin Pack, I.S.O. Twin Pack Green, I.S.O. Stick or I.S.O. Spray R or Twin Jet spray adhesive. Note 1: Classification (A, B or C) and maximum incline will be the same as that for the currently Classified insulated system, currently limited to a noncombustible roof deck.	See Note 1	A, B or C See Note 1
3	C-15/32	Vapor Barrier (Optional): V-Force, Vapor Shield Membrane self-adhered. Insulation (Optional): ISO 95+ GL or ISOGARD GL any thickness. Barrier Board: Minimum ½" thick gypsum wallboard, or minimum ¼" thick Georgia-Pacific Gypsum LLC DensDeck Roof Board or DensDeck Prime Roof Board or DensDeck DuraGuard Roof Board, joints in barrier board offset 6" with joints in deck. Roofing System: Any Insulated UL Classified modified bitumen system, BUR system, or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system. Insulation may be adhered or mechanically attached with I.S.O. Twin Pack, I.S.O. Twin Pack Green, I.S.O. Stick or I.S.O. Spray R or Twin Jet spray adhesive. Note 1: Classification (A, B or C) and maximum incline will be the same as that for the currently Classified insulated system, currently limited to a combustible roof deck.	See Note 1	A, B or C See Note 1
4	C-15/32	Vapor Barrier (Optional): V-Force, Vapor Shield Membrane self-adhered. Insulation (Optional): ISO 95+ GL or ISOGARD GL any thickness. Insulation: 1" minimum thickness RESISTA or ISOGARD CG, joints in insulation board offset 6" with joints in deck. Roofing System: Any Insulated UL Classified modified bitumen system, BUR system, or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system. Insulation may be adhered or mechanically attached with I.S.O. Twin Pack, I.S.O. Twin Pack Green, I.S.O. Stick or I.S.O. Spray R or Twin Jet spray adhesive. Note 1: Classification (A, B or C) and maximum incline will be the same as that for the currently Classified insulated system, currently limited to a combustible roof deck.	See Note 1	A, B or C See Note 1

Firestone RubberGard EPDM – General Components - Continued

5	NC	Insulation: Any UL Classified, any thickness, adhered with I.S.O. Twin Pack, ISO Twin Pack Green, I.S.O. Stick or I.S.O. Spray R or Twin Jet spray adhesive. Membrane: Any UL Classified modified bitumen system, BUR system or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system suitable for use with any roof insulation. Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU) currently limited to noncombustible roof deck.	See Note 1	A, B or C See Note 1
6	C-15/32	Insulation: Any UL Classified, any thickness, adhered with I.S.O. Twin Pack, ISO Twin Pack Green, I.S.O. Stick or I.S.O. Spray R or Twin Jet spray adhesive. Barrier Board: Minimum ½" thick gypsum wallboard, or minimum ¼" thick Georgia-Pacific Gypsum LLC DensDeck Roof Board or DensDeck Prime Roof Board or DensDeck DuraGuard Roof Board, joints in barrier board offset 6" with joints in deck. Membrane: Any UL Classified modified bitumen system, BUR system or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system suitable for use with any roof insulation. Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU) currently limited to combustible roof deck.	See Note 1	A, B or C See Note 1

Firestone RubberGard EPDM – Ballasted

General Notes:

1. Unless otherwise indicated, the insulation and membrane are laid loosely.
2. As an alternate, the insulation may be mechanically fastened to the deck with screws and metal or plastic discs, hot roofing asphalt or a combination of screws/discs and hot roofing asphalt.
3. An optional layer of gypsum board may be placed between the insulation and the roof deck on all systems.
4. As an alternate, a Firestone "Ballast Paver" system may be used in lieu of ballast and maintain the Classification of any Classified ballasted assembly.
5. As an alternate, river bottom or crushed stone conforming to ASTM D-448 No. 3 or 24 may be used in lieu of the No. 4 stone applied at 1000 lb/100 ft² (minimum).
6. As an alternate, river bottom or crushed stone conforming to ASTM D-448 No. 1 or 2 may be used in lieu of the No. 4 stone applied at 1300 lb/100 ft² (minimum).
7. Optional) Noncombustible roof deck Classifications are applicable for use over combustible (15/32" minimum plywood) roof decks when minimum ½" thick gypsum board or minimum ¼" thick Georgia-Pacific Gypsum LLC "DensDeck Roof Board" or "DensDeck Prime Roof Board" or "DensDeck DuraGuard Roof Board" are used directly over the deck with all joints staggered a minimum of 6" from plywood roof deck butt joints.
8. Fire Retardant Reinforced or RubberGard MAX FR EPDM membrane is an acceptable alternate to Fire Retardant RubberGard in all applicable Classifications.

Membrane: RubberGard EPDM
Ballast: See Listing
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
1	C-15/32	Insulation (Optional): Perlite, wood fiber, glass fiber, polyurethane, polyisocyanurate (including any ISO-95+ insulation), polystyrene (expanded or extruded), phenolic, perlite/urethane composite, perlite/polyisocyanurate or polystyrene/perlite composite, any combination, any thickness. NOTE: When Polystyrene is used on combustible roof decks, a layer of ½" thick minimum Johns Manville Retrofit Board, ½" thick minimum Gypsum Board (not UL Classified) or ¾" perlite must be placed either above or below the polystyrene. Protective Mat (Optional): Exception: Non-insulated systems, polyester or polypropylene protective mat). Membrane: Fire Retardant RubberGard or any UL Classified Firestone membrane (EPDM). Surfacing: River bottom stone (¾" to 1 ½" diameter) at 1000 lb/100 ft².	2

Firestone RubberGard EPDM - Ballasted - Continued

2	C-15/32	Insulation (Optional): Perlite, wood fiber, glass fiber, polyurethane, polyisocyanurate (including ISO 95+ GL), polystyrene (expanded or extruded), perlite/urethane composite, phenolic, perlite/polyisocyanurate composite, polystyrene/perlite composite, any combination, any thickness. NOTE: When polystyrene (expanded or extruded) is used on combustible roof decks a layer of ½" minimum Johns Manville Retrofit Board, ½" minimum Gypsum board (not UL Classified) or ¾" perlite must be placed either above or below the polystyrene. Membrane: Fire Retardant RubberGard (EPDM) or any UL Classified Firestone membrane. Insulation: Dow Chemical STYROFOAM GRAYBOARD RM, PD, SM, TG, LG, STYRORIB. Slip Sheet (Optional): Fabrene or Rufon Polypropylene Scrim, 2 oz./100 ft² (maximum). Surfacing: — River bottom stone (¾" to 1 ½" diameter) at 1000 lb/100 ft², Dow Chemical plastic insulation panels surfaced with a minimum of ¾" thick concrete mortar may be used in lieu of the river bottom stone. Mortar panels to be abutted together.	2
7	C-15/32	Insulation (Optional): Perlite, glass fiber, wood fiber, isocyanurate, any ISO 95+ GL or ISOGARD GL insulation or any other UL Classified insulation, any combination. Base Sheet (Optional): Type G1, Type G2 or Type G3 or Firestone Protection Mat (not UL Classified). Membrane: APP 160, APP 160-P or APP 170 (modified bitumen), heat fused or any UL Classified PVC, EPDM, CPE, CSPE, TRE, nitrile alloy or modified bitumen. Insulation (Optional): Dow Chemical STYROFOAM RM, PD, SM, TG or STYRORIB, 1" minimum. When the insulation is applied in more than one layer, successive layers shall be installed without attachment to the preceding layer. Slip Sheet (Optional): Fiberglass mat may be laid between the insulation and membrane. Scrim (Optional): Fabrene, International Paper D689 or Rufon Polypropylene, 2 oz/yd² (not Classified). Surfacing: One of the following: a.) 900 lb/100 ft² minimum of crushed stone or river bottom stone which is free from dirt and graded to a typical size of ¾" with a minimum of ½" for crushed stone and ¾" to 1 ¾" for river bottom stone. b.) Concrete blocks weighing not less than 10 lb/100 ft² and spread not more than 1/8 in. apart.	7
9	C-15/32	Insulation: Any ISO 95+ GL insulation, any thickness, loose laid or mechanically fastened. Membrane: Fire Retardant RubberGard (EPDM), 45 or 60 mil, UltraPly or UltraPly (TPO), any color, APP 160, APP 160-P, APP 170, (modified bitumen) or any UL Classified CPE, EPDM, LSPE, PVC, TRE, Nitrile alloy or modified bitumen, loose laid or mechanically fastened. Surfacing: River bottom stone (¾" to 1 ½" diameter), 1000 lbs/100 ft².	2
12	NC	Insulation (Optional): Polystyrene (extruded or expanded) polyisocyanurate, glass fiber, perlite, wood fiber any combination and any thickness. Membrane: Any UL Firestone Classified EPDM or TPO membrane. EPDM splices may be primed with Firestone QuickPrime Plus, and seamed with Firestone SA-1065 Splice Adhesive, QuickSeam Splice Tape or EcoWhite QuickSeam Splice Tape. Seams may be covered with Firestone QuickSeam Flashing and or QuickSeam Batten Cover (or EcoWhite QuickSeam Flashing). Surfacing: River bottom stone (¾" to 1 ½" diameter) at 1000 lbs/100 ft².	2
18	NC	Membrane: Any UL Classified PVC, EPDM, CPE, CSPE, TRE, nitrile alloy or modified bitumen, loose laid or mechanically fastened. Insulation: ISO 95+ CAN or ISOGARD GL. Surfacing: River bottom stone (¾" to 1 ¾" diameter) 1000 lb/100 ft².	3
21	NC	Insulation: Polyisocyanurate, glass fiber, perlite, wood fiber, loose laid, mechanically fastened, any thickness. Membrane: Any UL Classified EPDM, adhered to insulation with PVC Bonding Adhesive bonding adhesives at 1 gal/100 ft² Surfacing: River bottom stone (¾" to 1 ½" diameter) at 1000 lb/100 ft²	2

Firestone RubberGard EPDM – Adhered Membrane

General Notes:

1. Unless otherwise indicated, the EPDM membranes may be fully adhered with "BA-2004 (T) Bonding Adhesive", "Single-Ply LVOC Bonding Adhesive" "Single-Ply LVOC Bonding Adhesive- 1168" or "Single-Ply LVOC Flashing Adhesive - 1168" 1 gal/45-ft.2 finished application rate or "Firestone Water Based Bonding Adhesive P" which is applied at 1 gal/120-ft.2 total.
2. Noncombustible roof deck Classifications ("Fire Retardant RubberGard" systems excluded) are applicable for use over combustible (15/32" thick minimum plywood) roof decks when minimum ½" thick gypsum board or minimum ¼" thick Georgia-Pacific Gypsum LLC "DensDeck Roof Board" or "DensDeck Prime Roof Board" or "DensDeck DuraGuard Roof Board" are used directly over the roof deck with butt joints in the barrier board offset a minimum of 6" from the with the plywood butt joints in the roof deck.
3. RubberGard MAX FR EPDM membrane is an acceptable alternate to Fire Retardant RubberGard, and RubberGard MAX in all applicable Classifications.

Firestone RubberGard EPDM LS-FR – Adhered Membrane – Class A

Membrane: RubberGard EPDM

Adhesive: See Assembly

Construction: New or Tear-off

Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
21	NC	Insulation Concrete: Deck covered with either of the following insulating concretes (poured in place): cellular, vermiculite, perlite, gypsum or structural. Optionally, a base concrete deck may be used if all exposed surface joints are grouted. Insulation (Optional): Wood fiber any UL Classified 1/2" minimum. Membrane: RubberGard LS-FR EPDM, 45 or 60 mil	1"
22	C-15/32	Insulation (Optional): ISO 95+ GL or EPS any thickness. Coverboard: ½" ISOGARD HD Coverboard Membrane: RubberGard LS-FR EPDM, 45 or 60 mil	½"
79A	NC	Insulation: ISOGARD GL ISO any thickness Membrane: RubberGard LS-FR (EPDM), 45 or 60 mil	¼"
80	NC	Insulation (Optional): Any UL Classified, any thickness. Insulation: Wood fiberboard, ½" thick minimum. Membrane: RubberGard LS-FR (EPDM), 45 or 60 mil.	¾"
81	NC	Insulation (Optional): ISO 95+ GL, wood fiberboard or perlite, any thickness. Membrane: RubberGard LS-FR (EPDM), 45 or 60 mil.	½"
82	C-15/32	Insulation (Optional): Any UL Classified, any thickness Barrier Board: Minimum ¼" thick, DensDeck or DensDeck Prime or DensDeck Prime 2 with all joints staggered a minimum of 6" from the plywood joints. Membrane: RubberGard LS-FR (EPDM) adhered with Firestone BA 2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive-1168 or Water Base Bonding Adhesive-P.	Unlimited
123	C-15/32	Slip Sheet: Two layers VersaShield Underlayment or VersaShield FB-2S, preliminary attachment. Insulation: ISO 95+ GL (any thickness), mechanically attached. Membrane: .045 or .060; RubberGard LS-FR (½":12); EPDM membranes may be coated with AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
124	C-15/32	Slip Sheet: Two layers VersaShield FB-1S, preliminary attachment. Insulation: ISO 95+ GL (any thickness), mechanically attached. Membrane: .045 or .060; RubberGard LS-FR (½":12); EPDM membranes may be coated with AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane

Firestone RubberGard EPDM LS-FR – Adhered Membrane – Class A – Continued

155	NC	Insulation (Optional): Any UL Classified polyisocyanurate, any thickness Insulation: Minimum 1/2-in. thick ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or 1/2" thick RESISTA or ISOGARD CG Membrane: RubberGard LS-FR, fully adhered with Firestone BA 2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive -1168 or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	1/2"
161	C-15/32	Insulation (Optional): Firestone ISO 95+ GL or ISOGARD GL, any thickness Insulation: 1 in. minimum ISOGARD HD Composite Board or 1" thick RESISTA or ISOGARD CG offset 6" with joints in the deck. Membrane: Firestone RubberGard™ LS-FR, adhered with Firestone BA 2004 (T) Bonding Adhesive or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	1/2"
172	C-15/32	Insulation (Optional): Any UL Classified, any thickness. Barrier Board: Minimum 1/4" thick DensDeck or DensDeck Prime Membrane: — Firestone RubberGard™ LS-FR, fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal/100 ft².	1/2"
173	NC	Insulation (Optional): ISO 95 + GL or ISOGARD GL, any thickness. Membrane: RubberGard LS-FR, fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal/100 ft² or Firestone Water Based Bonding Adhesive P.	1/4"
215	NC	Insulation (Optional): Any UL Classified, any thickness, any combination. Insulation: Wood fiber (Huebert), 1" thick. Membrane: RubberGard LS-FR 45 or 60 mil., adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	1/2"
216	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum 1/4-in. thick DensDeck or DensDeck Prime Membrane: RubberGard™ LS-FR 45 or 60 mil., adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	3"
217	NC	Insulation: ISO 95+ GL or ISOGARD GL, any thickness. Membrane: RubberGard LS-FR 45 or 60 mil., adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	1/4"

Firestone RubberGard EPDM LS-FR – Adhered Membrane – Class B

Membrane: RubberGard EPDM
Adhesive: See Assembly
Construction: New or Tear-off
Classification: Class B

UL Assembly Number	Deck	Roofing System	Maximum Slope
24	C-15/32	Base Sheet: One or more plies Firestone MB Base. Insulation: Minimum 1 1/2" thick ISO 95+ GL or ISOGARD GL, minimum 1" thick UL Classified wood fiber or minimum 1/2" thick UL Classified wood fiber over 1" thick ISO 95+ GL or ISOGARD GL. Membrane: Firestone RubberGard LS-FR (EPDM), 45 or 60 mil.	1/4"
27	C-15/32	Insulation: Minimum 1" thick UL Classified wood fiber or minimum 1/2" thick UL Classified wood fiber over 1 1/2" thick ISO 95+GL or ISOGARD GL. Membrane: RubberGard LS-FR, 45 or 60 mil.	1/4"

Firestone RubberGard EPDM LS-FR – Adhered Membrane – Class B – Continued

36	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness Insulation: Minimum ½" thick ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG with butt joints in the insulation offset a minimum of 6" from the with the plywood butt joints in the roof deck. Membrane: RubberGard LS-FR, adhered with Firestone BA-2004 (T) Bonding Adhesive or Firestone Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100-ft. ² . Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb /100 ft ² .	½"
41	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness Insulation: Minimum ½" thick ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG with butt joints in the insulation offset a minimum of 6" from the with the plywood butt joints in the roof deck. Membrane: RubberGard LS-FR, adhered with Firestone BA-2004 (T) Bonding Adhesive or Firestone Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft ² . Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft ² .	¼"
44	NC	Insulation: ISO 95+ GL, ISOGARD GL, RESISTA, or ISOGARD CG, any thickness. Membrane: Firestone RubberGard LS-FR, 45 to 80 mil.	¼"
52	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum ¼-in. thick DensDeck or DensDeck Prime Membrane: RubberGard LS-FR 45 or 60 mil., adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150-ft. ² .	5"
53	NC	Insulation: ISO 95+ GL, any thickness. Membrane: RubberGard LS-FR 45 or 60 mil., adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft ² .	½"
53A	C-15/32	Insulation (Optional): Any UL Classified, any thickness. Barrier Board: Minimum ¼" thick, DensDeck Membrane: RubberGard LS-FR (EPDM) adhered full coverage with Firestone's Jet Bond Spray Adhesive, at a rate of 800 - 1000 ft ² per canister	2 ½"

Firestone RubberGard EPDM LS-FR – Adhered Membrane – Class C

Membrane: RubberGard EPDM
Adhesive: See Assembly
Construction: New or Tear-off
Classification: Class C

UL Assembly Number	Deck	Roofing System	Maximum Slope
18	C-15/32	Insulation: ISO 95+ GL or ISOGARD GL, 2" thick. Membrane: RubberGard LS-FR adhered with BA-2004 (T) Bonding Adhesive, 1 gal/45ft ² .	½"

Firestone RubberGard Platinum EPDM – Adhered Membrane – Class A

Membrane: RubberGard Platinum EPDM
Adhesive: See Assembly
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
21	NC	Insulation Concrete: Deck covered with either of the following insulating concretes (poured in place): cellular, vermiculite, perlite, gypsum or structural. Optionally, a base concrete deck may be used if all exposed surface joints are grouted. Insulation (Optional): Wood fiber any UL Classified ½" minimum. Membrane: RubberGard Platinum EPDM, 90 mil.	1"
22	C-15/32	Insulation (Optional): ISO 95+GL or EPS any thickness. Coverboard: Firestone ½" ISOGARD HD Coverboard Membrane: RubberGard Platinum EPDM, 90mil.	½"
127	NC	Insulation: ISO 95+ GL, any thickness, mechanically fastened. Membrane: RubberGard Platinum (EPDM), fully adhered with Firestone BA 2004 (T) Bonding Adhesive, 1 gal/45 ft².	½"
128	NC	Insulation (Optional): Any UL Classified, any thickness, mechanically attached. Barrier Board: Minimum ¼" thick DensDeck or DensDeck Prime mechanically fastened. Membrane: RubberGard Platinum (EPDM).	3 ½"
129	NC	Insulation (Optional): ISO 95+GL or ISOGARD GL, any thickness, mechanically attached. Insulation: HailGard Composite Board Composite Board, minimum 1 ½" thick, mechanically fastened. Membrane: RubberGard Platinum (EPDM)	2 ½"
130	NC	Insulation: Firestone ISO 95+ GL, any thickness, mechanically fastened. Membrane: Firestone RubberGard Platinum. Surfacing: Firestone AcryliTop PC-100, 1 gal/100 ft².	2"
131	NC	Insulation (Optional): Any UL Classified, any thickness, mechanically attached. Barrier Board: Minimum ¼" thick DensDeck or DensDeck Prime, mechanically fastened. Membrane: Firestone RubberGard Platinum. Surfacing: Firestone AcryliTop PC-100, 1 gal/100 ft².	Unlimited
132	NC	Insulation (Optional): ISO 95+GL or ISOGARD GL, any thickness, mechanically attached. Insulation: HailGard Composite Board Composite Board, minimum 1 ½" thick, mechanically fastened. Membrane: RubberGard Platinum Surfacing: AcryliTop PC-100, 1 gal/100 ft².	Unlimited
155	NC	Insulation (Optional): Any UL Classified polyisocyanurate, any thickness Insulation: Minimum ½". thick Firestone ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG Membrane: RubberGard Platinum fully adhered with Firestone BA 2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive -1168 or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	½"
159	NC	Insulation (Optional): Any UL Classified polyisocyanurate, any thickness Insulation: Minimum ½" thick ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG. Membrane: RubberGard Platinum EPDM, adhered with Firestone BA 2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive -1168 or Water Based Bonding Adhesive P. Surfacing: Firestone AcryliTop PC-100 coating, 1 gal/100 ft²	¾"

Firestone RubberGard Platinum EPDM – Adhered Membrane – Class A – Continued

169	C-15/32	Insulation (Optional): Any UL Classified, any thickness. Barrier Board: Minimum ¼" thick Georgia-Pacific Gypsum LLC DensDeck or DensDeck Prime Membrane: RubberGard Platinum EPDM, fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal./100 ft².	3 ½"
170	NC	Insulation (Optional): ISO 95 + GL, any thickness. Membrane: RubberGard Platinum fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal./100 ft².	½"
171	NC	Insulation (Optional): ISO 95 + GL or ISOGARD GL, any thickness. Cover Board: Firestone ISOGARD HD minimum ½" thick or minimum 1" thick ISOGARD HD Composite Board. Membrane: Firestone RubberGard Platinum EPDM fully adhered with Modular Water Based Bonding Adhesive at 1 gal/100 ft².	¾"
215	NC	Insulation (Optional): Any UL Classified, any thickness, any combination. Insulation: Wood fiber (Huebert), 1" thick. Membrane: RubberGard Platinum, adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	½"
216	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum ¼" DensDeck or DensDeck Prime Membrane: RubberGard Platinum adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	3"
217	NC	Insulation: ISO 95+ GL or ISOGARD GL, any thickness. Membrane: RubberGard Platinum adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	¼"

Firestone RubberGard Platinum EPDM – Adhered Membrane – Class B

Membrane: RubberGard Platinum EPDM
Adhesive: See Assembly
Construction: New or Tear-off
Classification: Class B

UL Assembly Number	Deck	Roofing System	Maximum Slope
52	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum ¼" thick DensDeck Roofboard or DensDeck Prime Membrane: RubberGard Platinum, adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	5"
53	NC	Insulation: ISO 95+ GL, any thickness. Membrane: RubberGard™ Platinum, adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	½"

Firestone Fire Retardant RubberGard EPDM – Adhered Membrane – Class A

Membrane: Fire Retardant RubberGard EPDM
Adhesive: See Assembly
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
7	NC	Insulation (Optional): Any combination of the following may be used with no max thickness: polystyrene (expanded or extruded), perlite, wood fiber, glass fiber, polyisocyanurate, polyurethane, phenolic. Insulation: Wood fiber any UL Classified ½ in. thick minimum. Membrane: Fire Retardant RubberGard (EPDM), 45 or 60 mil.	1 ½"

Firestone Fire Retardant RubberGard EPDM – Adhered Membrane – Class A – Continued

8	NC	Insulation: Firestone ISO 95+ GL, any thickness. Membrane: Fire Retardant RubberGard (EPDM), 45 or 60 mil.	1"
13	NC	Insulation (Optional): Perlite, wood fiber or glass fiber, no max thickness. Insulation: Wood fiber any UL Classified ½" thick minimum. Membrane: Fire Retardant RubberGard (EPDM), 45 or 60 mil.	2"
14	NC	Insulation (Optional): Polystyrene Dow Chemical STYROFOAM RM, PD, SM, TG, LG or STYORIB, extruded or expanded polystyrene, any thickness. Insulation: Wood fiber any UL Classified ½" thick minimum. Membrane: Fire Retardant RubberGard (EPDM), 45 or 60 mil.	2 ¼"
15	NC	Insulation (Optional): Polyisocyanurate, polyurethane, perlite/polyisocyanurate composite, perlite, wood fiber, glass fiber, phenolic, no max thickness. Insulation: Wood fiber any UL Classified ½" minimum. Membrane: Fire Retardant RubberGard (EPDM), 45 or 60 mil.	2"
16	NC	Insulating Concrete: Deck covered with either of the following insulating concretes (poured in place): cellular, vermiculite, perlite, gypsum or structural. Optionally, a base concrete deck may be used if all exposed surface joints are grouted. Insulation (Optional): Wood fiber any UL Classified, ½" thick minimum. Membrane: Fire Retardant RubberGard (EPDM), 45 or 60 mil.	¼"
28	NC	Insulation (Optional): Any UL Classified, any thickness. Barrier Board: Regular or water resistant wallboard, ½" nominal. Membrane: Fire Retardant RubberGard (EPDM) (45 or 60 mil). Surfacing (Optional): (Optional for Fire Retardant RubberGard). After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft² optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100-ft².	3 ½"
156	NC	Insulation (Optional): Any UL Classified polyisocyanurate, any thickness Insulation: Minimum ½" thick ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG. Membrane: Fire Retardant RubberGard EPDM fully adhered with Firestone BA 2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive -1168 or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	¾"
215	NC	Insulation (Optional): Any UL Classified, any thickness, any combination. Insulation: Wood fiber (Huebert), 1" thick. Membrane: Fire Retardant RubberGard adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150-ft.².	½"
216	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum ¼-in. thick Georgia-Pacific Gypsum LLC DensDeck® Roofboard or DensDeck Prime® Roofboard or DensDeck DuraGuard Roofboard Membrane: Fire Retardant RubberGard adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	3"
217	NC	Insulation: ISO 95+ GL or ISOGARD GL, any thickness. Membrane: Fire Retardant RubberGard adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	¼"

Firestone Fire Retardant RubberGard – Adhered Membrane – Class B

Membrane: Fire Retardant RubberGard EPDM
Adhesive: See Assembly
Construction: New or Tear-off
Classification: Class B

UL Assembly Number	Deck	Roofing System	Maximum Slope
52	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard Membrane: Fire Retardant RubberGard with Firestone "EPDM Solvent-Free Bonding Adhesive", applied at 1 gal/150-ft².	5"
53	NC	Insulation: ISO 95+ GL, any thickness. Membrane: Fire Retardant RubberGard adhered with Firestone "EPDM Solvent-Free Bonding Adhesive", applied at 1 gal/150 ft².	½"

Firestone RubberGard MAX, MAX PT and/or MAX FR – Adhered Membrane – Class A

Membrane: RubberGard MAX, MAX PT and MAX FR (See Assembly)
Adhesive: See Assembly
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
20	C-15/32	Insulation (Optional): Isocyanurate, extruded or expanded polystyrene, phenolic, wood fiber, glass fiber or perlite, any thickness. Barrier Board: Minimum ¼" thick, DensDeck Roofboard or DensDeck Prime Roofboard or DensDeck Prime 2, joints in wallboard offset 6" with joints in deck. Membrane: RubberGard MAX FR	1 ½"
26	NC	Insulation (Optional): Any UL Classified, any thickness, any combination. Insulation: Wood fiber any UL Classified ½" minimum. Membrane: RubberGard MAX FR (EPDM).	2"
46	NC	Insulation (Optional): Any combination of the following may be used: Perlite, wood fiber, glass fiber, 3" thick maximum. Insulation: Wood fiber, ½" thick minimum. Membrane: RubberGard MAX, 45 or 60 mil.	1 ¼"
48	NC	Insulation: Atlas Roofing Corp. ACFoam II or Rmax Operating LLC Multi-Max, any thickness. Membrane: RubberGard MAX, 45 or 60 mil.	¼"
49	NC	Insulation: ISO 95+ GL, any thickness. Membrane: RubberGard MAX, 45 or 60 mil.	½"
50	NC	Insulation (Optional): Any UL Classified polyisocyanurate, phenolic, extruded or expanded polystyrene, any thickness. Insulation: Wood fiber any UL Classified ½" thick minimum. Membrane: RubberGard MAX, 45 or 60 mil.	1 ¼"
52	C-15/32	Insulation (Optional): Any UL Classified, any thickness. Barrier Board: Water resistant wallboard, ½" nominal, joints in wallboard offset 6" with joints in deck. Insulation (Optional): Atlas Roofing Corp. ACFoam II, Rmax Operating LLC Multi-Max, ISO 95+ GL or ISOGARD GL, any thickness. Membrane: RubberGard MAX, 45 or 60 mil.	¼"
53	C-15/32	Barrier Board: Regular or water resistant wallboard, ½" thick nominal, joints in wallboard offset 6" with joints in deck. Insulation (Optional): Any combination of the following may be used: Perlite, wood fiber, glass fiber, any thickness. Insulation: Wood fiber, ½" thick minimum. Membrane: RubberGard MAX, 45 or 60 mil.	¼"

Firestone RubberGard MAX, MAX PT and/or MAX FR – Adhered Membrane – Class A – Continued

66	NC	Insulation (Optional): Any combination of the following may be used with no max thickness: polystyrene (expanded or extruded), perlite, wood fiber, glass fiber, polyisocyanurate, polyurethane, phenolic. Insulation: Wood fiber any UL Classified ½" thick minimum. Membrane: RubberGard MAX FR, 45 or 60 mil.	2"
89	NC	Insulation (Optional): Any UL Classified, any thickness. Insulation: Wood fiberboard, ½" thick minimum or minimum ¼" thick DensDeck Roofboard, DensDeck Prime Roofboard or APA rated plywood or OSB board, 7/16" thick minimum. Membrane: RubberGard MAX FR, 45 or 60 mil.	Unlimited
90	NC	Insulation (Optional): Any UL Classified, any thickness. Insulation: Wood fiberboard, ½" thick minimum, DensDeck Roofboard or DensDeck Prime Roofboard, ¼" thick minimum, APA rated plywood or OSB board, 7/16" thick minimum. Membrane: RubberGard MAX FR (EPDM), 45 or 60 mil, adhered with Firestone Water Based Bonding Adhesive P.	3"
91	NC	Insulation (Optional): ISO 95 + GL, wood fiber, glass fiber or perlite, any thickness. Membrane: RubberGard MAX FR, 45 or 60 mil	3"
92	NC	Insulation (Optional): ISO 95 + GL, wood fiber, glass fiber or perlite, any thickness. Membrane: RubberGard MAX FR, 45 or 60 mil, adhered with Firestone Water Based Bonding Adhesive-P.	2 ½"
93	C-15/32	Barrier Board: Gypsum board, ½" thick minimum or minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard. Insulation (Optional): Any UL Classified, any thickness. Insulation: Wood fiberboard, ½" thick minimum or minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard, APA rated plywood or OSB board, 7/16" thick minimum. Membrane: RubberGard MAX FR, 45 or 60 mil.	Unlimited
94	C-15/32	Barrier Board: Gypsum board, ½" thick minimum or Minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard. Insulation (Optional): Any UL Classified, any thickness. Insulation: Wood fiberboard, ½" thick minimum or minimum ¼" thick Georgia-Pacific Gypsum LLC DensDeck Roofboard or DensDeck Prime Roofboard or DensDeck DuraGuard Roofboard, APA rated plywood or OSB board, 7/16" thick min. Membrane: RubberGard MAX FR, 45 or 60 mil, adhered with Firestone Water Based Bonding Adhesive P.	3"
95	C-15/32	Barrier Board: Gypsum board, ½" thick min or minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard. Insulation (Optional): ISO 95+ GL, wood fiber, glass fiber or perlite, any thickness. Membrane: RubberGard MAX FR, 45 or 60 mil.	3"
96	C-15/32	Barrier Board: Gypsum board, ½" thick minimum or minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard. Insulation (Optional): ISO 95+ GL, wood fiber, glass fiber or perlite, any thickness. Membrane: RubberGard MAX FR, 45 or 60 mil, adhered with Firestone Water Based Bonding Adhesive-P.	2 ½"
109	NC	Insulation (Optional): Any combination of the following may be used: Perlite, wood fiber, glass fiber, 3" maximum Insulation: Wood fiber, ½" minimum. Membrane: RubberGard MAX, 45 or 60 mil.	1 ¼"
110	NC	Insulation Concrete: Deck covered with either of the following insulating concretes (poured in place): Cellular, vermiculite, perlite, gypsum or structural. Optionally, a base concrete deck may be used if all exposed surface joints are grouted. Insulation (Optional): Wood fiber any UL Classified asphalt side down, ½" max. Membrane: RubberGard MAX (EPDM), 45, 60 or 75 mil.	1 ¼"
112	NC	Insulation: ISO 95+ GL, any thickness. Membrane: RubberGard MAX, 45, 60 or 75 mil.	½"

Firestone RubberGard MAX, MAX PT and/or MAX FR – Adhered Membrane – Class A – Continued

113	NC	Insulation (Optional): Any UL Classified polyisocyanurate, phenolic, extruded or expanded polystyrene, any thickness. Insulation: Wood fiber any UL Classified, ½" thick minimum. Membrane: RubberGard MAX, 45, 60 or 75 mil.	1 ¼"
116	C-15/32	Barrier Board: Regular or water resistant wallboard, ½" nominal, joints in wallboard offset 6" with joints in deck. Insulation (Optional): Any combination of the following may be used: Perlite, wood fiber, glass fiber, any thickness. Insulation: Wood fiber, ½" minimum. Membrane: RubberGard MAX, 45, 60 or 75 mil.	¼"
123	C-15/32	Slip Sheet: Two layers VersaShield Underlayment or VersaShield FB-2S, preliminary attachment. Insulation: ISO 95+ GL (any thickness), mechanically attached. Membrane: .045 or .060; RubberGard LS-FR (½:12); RubberGard MAX (½:12); RubberGard MAX FR (1 ½:12); UltraPly TPO (½ :12); EPDM membranes may be coated with AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
124	C-15/32	Slip Sheet: Two layers VersaShield FB-1S, preliminary attachment. Insulation: ISO 95+ GL (any thickness), mechanically attached. Membrane: RubberGard MAX or 75 mil (½:12); RubberGard MAX FR (¾:12); membranes may be coated with AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
155	NC	Insulation (Optional): Any UL Classified polyisocyanurate, any thickness Insulation: Minimum ½" thick Firestone ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG Membrane: RubberGard Max, fully adhered with Firestone BA 2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive -1168 or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	½"
158	NC	Insulation (Optional): Any UL Classified polyisocyanurate, any thickness Insulation: Minimum ½" Firestone ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG. Membrane: RubberGard Max FR fully adhered with Firestone BA 2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive, Single-Ply LVOC Bonding Adhesive -1168 or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	¾"
161	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness Insulation: 1" minimum ISOGARD HD Composite Board or 1" thick RESISTA or ISOGARD CG offset 6" with joints in the deck. Membrane: RubberGard MAX, RubberGard MAX FR, adhered with Firestone BA 2004 (T) Bonding Adhesive or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	½"
172	C-15/32	Insulation: (Optional) Any UL Classified, any thickness. Barrier Board: Minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard. Membrane: RubberGard MAX, RubberGard MAX FR fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal/100 ft².	½"
173	NC	Insulation (Optional): ISO 95 + GL or ISOGARD GL, any thickness. Membrane: RubberGard MAX, RubberGard MAX FR fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal/100 ft² or Firestone Water Based Bonding Adhesive P.	¼"

Firestone RubberGard MAX, MAX PT and/or MAX FR – Adhered Membrane – Class A – Continued

215	NC	Insulation (Optional): Any UL Classified, any thickness, any combination. Insulation: Wood fiber (Huebert), 1" thick. Membrane: RubberGard MAX, RubberGard MAX FR, Fire Retardant RubberGard or RubberGard EcoWhite (EPDM) adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150ft ² .	1/2"
216	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum 1/4" thick DensDeck Roofboard or DensDeck Prime Roofboard Membrane: MAX, RubberGard MAX FR, adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft ² .	3"
217	NC	Insulation: ISO 95+ GL or ISOGARD GL, any thickness. Membrane: RubberGard MAX, RubberGard MAX FR, adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft ² .	1/4"

Firestone RubberGard MAX, MAX PT and/or MAX FR – Adhered Membrane – Class B

Membrane: RubberGard MAX, MAX PT and MAX FR (See Assembly)

Adhesive: See Assembly

Construction: New or Tear-off

Classification: Class B

UL Assembly Number	Deck	Roofing System	Maximum Slope
23	C-15/32	Base Sheet: One or more plies Firestone MB Base. Insulation: Minimum 1 1/2" thick ISO 95+ GL, minimum 1" thick UL Classified wood fiber or minimum 1/2" thick UL Classified wood fiber over 1" thick ISO 95+ GL or ISOGARD GL. Membrane: RubberGard MAX, 45, 60 or 75 mil.	1/2"
25	C-15/32	Base Sheet: One or more plies Firestone MB Base. Insulation: Minimum 1 1/2" thick ISO 95+ GL, minimum 1" thick UL Classified wood fiber or minimum 1/2" thick UL Classified wood fiber over 1" thick ISO 95+ GL or ISOGARD GL. Membrane: RubberGard MAX FR, 45 or 60 mil.	1"
26	C-15/32	Insulation: Minimum 1" thick UL Classified wood fiber or minimum 1/2" thick UL Classified wood fiber over 1 1/2" thick ISO 95+ GL or ISOGARD GL. Membrane: RubberGard MAX, 45, 60 or 75 mil.	1/2"
28	C-15/32	Base Sheet: One or more plies Firestone MB Base. Insulation: Minimum 2" thick ISO 95+ GL, minimum 1" thick UL Classified wood fiber or minimum 1/2" thick UL Classified wood fiber over 1 1/2" thick ISO 95+ GL or ISOGARD GL. Membrane: RubberGard MAX FR, 45 or 60 mil.	1"
36	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness Insulation: Minimum 1/2" thick ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or 1/2" RESISTA or ISOGARD CG with butt joints in the insulation offset a minimum of 6" from the with the plywood butt joints in the roof deck. Membrane: RubberGard MAX or RubberGard MAX FR adhered with Firestone BA-2004 (T) Bonding Adhesive or Firestone Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft ² . Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft ²	1/2"
41	C-15/32	Insulation (Optional): ISO 95 + GL or ISOGARD GL, any thickness. Cover Board: Minimum 1/2" thick ISOGARD HD or 1" thick ISOGARD HD Composite Board. Membrane: RubberGard Max or RubberGard MAX FR fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal/100 ft ² .	1/4"
52	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum 1/4". thick DensDeck Roofboard or DensDeck Prime Roofboard Membrane: 45 or 60 mil., RubberGard MAX, RubberGard MAX FR, adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft ² .	5"

Firestone RubberGard MAX, MAX PT and/or MAX FR – Adhered Membrane – Class B – Continued

53	NC	Insulation: ISO 95+ GL, any thickness. Membrane: 45 or 60 mil., RubberGard MAX, RubberGard MAX FR, adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft ² .	1/2"
----	----	---	------

Firestone RubberGard EPDM SA or FullForce – Self Adhered Membrane – Class A

Membrane: RubberGard EPDM SA or FullForce (See Listing)
Adhesive: Self Adhered
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
181	C-15/32	Insulation (Optional): Any UL Classified any thickness Barrier Board: Minimum 1/4-in. DensDeck Roofboard or DensDeck Prime Roofboard or DensDeck DuraGuard Roofboard Membrane: RubberGard EPDM SA or FullForce EPDM, 45 to 80 mil.	2"
181A	NC	Insulation: ISO 95 + GL or ISOGARD GL, any thickness. Membrane: RubberGard EPDM SA or FullForce EPDM, 45 to 80 mil.	1/4"
181B	NC	Insulation: ISO 95 + GL or ISOGARD GL, any thickness Cover Board: ISOGARD HD 1/2" minimum. Membrane: RubberGard EPDM SA or FullForce EPDM, 45 to 80 mil.	1/2"
181E	C-15/32	Insulation: RESISTA or ISOGARD CG minimum 2". Membrane: RubberGard EPDM SA or FullForce EPDM, 45 to 80 mil.	1/4"

Firestone RubberGard EPDM SA or FullForce – Self Adhered Membrane – Class B

Membrane: RubberGard EPDM SA or FullForce (See Listing)
Adhesive: Self Adhered
Construction: New or Tear-off
Classification: Class B

UL Assembly Number	Deck	Roofing System	Maximum Slope
44	NC	Insulation: ISO 95+ GL, ISOGARD GL, RESISTA or ISOGARD CG, any thickness. Membrane: RubberGard LS-FR, RubberGard EPDM SA or FullForce, 45 to 80 mil.	1/4"
46	NC	Insulation: ISO 95 + GL, RESISTA or ISOGARD CG, any thickness. Membrane: RubberGard EPDM SA or FullForce EPDM, 45 to 80 mil.	1/2"

Firestone RubberGard EcoWhite EPDM – Adhered Membrane – Class A

Membrane: RubberGard EcoWhite EPDM
Adhesive: See Assembly
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
145	NC	Insulation: Wood fiber, 1/2" thick minimum. Membrane: RubberGard EcoWhite (EPDM), 60 or 90 mil	1"
146	NC	Insulation: Wood fiber, 1/2" thick minimum. Membrane: RubberGard EcoWhite (EPDM), 60 or 90 mil, fully adhered with Firestone Water Based Bonding Adhesive P applied at 1 gal/125 ft ² .	1"
147	NC	Insulation: ISO 95+GL, any thickness. Membrane: RubberGard EcoWhite (EPDM), 60 or 90 mil, fully adhered with Firestone Water Based Bonding Adhesive P applied at 1 gal/125 ft ² .	3/4"

Firestone RubberGard EcoWhite EPDM – Adhered Membrane – Class A – Continued

148	C-15/32	Barrier Board: Minimum ¼" thick Roofboard or DensDeck Prime Roofboard or DensDeck Membrane: RubberGard EcoWhite (EPDM), 60 or 90 mil.	1 ½"
149	NC	Barrier Board: Minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard. Membrane: RubberGard EcoWhite (EPDM), 60 or 90 mil, fully adhered with Firestone Water Based Bonding Adhesive P applied at 1 gal/125 ft².	1 ½"
150	NC	Cover Board: Oriented strand board, minimum 7/16" thick, mechanically fastened. Membrane: RubberGard EcoWhite (EPDM), 60 or 90 mil.	1"
151	NC	Cover Board: Oriented strand board, minimum 7/16" thick, mechanically fastened. Membrane: RubberGard EcoWhite (EPDM), 60 or 90 mil, fully adhered with Firestone's Water Based Bonding Adhesive P applied at 1 gal/125 ft².	1"
156	NC	Insulation (Optional): Any UL Classified polyisocyanurate, any thickness Insulation: Minimum ½" thick Firestone ISOGARD HD, minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG. Membrane: RubberGard EcoWhite fully adhered with Firestone BA 2004 (T) Bonding Adhesive, Single-Ply LVOC Bonding Adhesive or Single-Ply LVOC Bonding Adhesive 1168 or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100ft².	¾"
161	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness Insulation: — 1" minimum ISOGARD HD Composite Board or 1" thick RESISTA or ISOGARD CG offset 6" with joints in the deck. Membrane: RubberGard EcoWhite, adhered with Firestone BA 2004 (T) Bonding Adhesive or Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	½"
168	NC	Insulation (Optional): ISO 95+ GL, any thickness Membrane: RubberGard EcoWhite (EPDM), 45 to 90 mil.	¾"
172	C-15/32	Insulation: (Optional) Any UL Classified, any thickness. Barrier Board: Minimum ¼" thick DensDeck Roofboard or DensDeck Prime Membrane: RubberGard EcoWhite, fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal/100 ft².	½"
173	NC	Insulation (Optional): ISO 95 + GL or ISOGARD GL, any thickness. Membrane: RubberGard EcoWhite, adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal/100 ft² or Firestone Water Based Bonding Adhesive P.	¼"
215	NC	Insulation (Optional): Any UL Classified, any thickness, any combination. Insulation: Wood fiber (Huebert), 1 in. thick. Membrane: 45 or 60 mil RubberGard EcoWhite (EPDM) adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	½"
216	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard Membrane: FR 45 or 60 mil., RubberGard EcoWhite (EPDM) adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	3"
217	NC	Insulation: ISO 95+ GL or ISOGARD GL, any thickness. Membrane: 45 or 60 mil., RubberGard EcoWhite (EPDM) adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft².	¼"

Firestone RubberGard EcoWhite EPDM – Adhered Membrane – Class B**Membrane:** RubberGard EcoWhite EPDM**Adhesive:** See Assembly**Construction:** New or Tear-off**Classification:** Class B

UL Assembly Number	Deck	Roofing System	Maximum Slope
36	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness Insulation: Minimum ½" thick Firestone ISOGARD HD, minimum 1" thick Firestone ISOGARD HD Composite Board or ½" thick Firestone RESISTA or ISOGARD CG with butt joints in the insulation offset a minimum of 6" from the with the plywood butt joints in the roof deck. Membrane: RubberGard EcoWhite, adhered with Firestone BA-2004 (T) Bonding Adhesive or Firestone Water Based Bonding Adhesive P. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft²	½"
41	C-15/32	Insulation (Optional): ISO 95 + GL or ISOGARD GL, any thickness. Cover Board: Minimum ½" thick ISOGARD HD or 1" thick ISOGARD HD Composite Board. Membrane: RubberGard EcoWhite fully adhered with Firestone Modular Water Based Bonding Adhesive at 1 gal./100 ft²	¼"
52	C-15/32	Insulation (Optional): Any UL Classified, any thickness, any combination. Barrier Board: Minimum ¼" thick DensDeck or DensDeck Prime Membrane: 45 or 60 mil., RubberGard EcoWhite (EPDM) adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft²	5"
53	NC	Insulation: ISO 95+ GL, any thickness. Membrane: 45 or 60 mil., RubberGard EcoWhite (EPDM) adhered with Firestone EPDM Solvent-Free Bonding Adhesive, applied at 1 gal/150 ft²	½"

Firestone RubberGard EcoWhite EPDM – Ballasted Membrane – Class A**Membrane:** RubberGard EcoWhite EPDM**Construction:** New or Tear-off**Classification:** Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
12	NC	Insulation (Optional): Polystyrene (extruded or expanded) polyisocyanurate, glass fiber, perlite, wood fiber any combination and any thickness. Membrane Any UL Firestone Classified EPDM or TPO membrane. EPDM splices may be primed with Firestone "QuickPrime™ Plus", and seamed with Firestone "SA-1065 Splice Adhesive, QuickSeam Splice Tape or EcoWhite QuickSeam Splice Tape. Seams may be covered with Firestone QuickSeam Flashing and or QuickSeam Batten Cover (or EcoWhite QuickSeam Flashing). Surfacing: River bottom stone (¾" to 1 ½" diameter) at 1000 lbs/100 ft².	2"

Firestone RubberGard LS-FR EPDM – Mechanically Attached Membrane – Class A**Membrane:** RubberGard LS-FR EPDM**Construction:** New or Tear-off**Classification:** Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
49	NC	Insulation: ISOGARD GL ISO, any thickness Membrane: Firestone RubberGard LS-FR (EPDM), 45 or 60 mil.	¼"
53	NC	Insulation: ISO 95+ GL, wood fiber or perlite, any thickness. Membrane: Firestone RubberGard LS-FR (EPDM), 45 or 60 mil.	½"

Firestone RubberGard LS-FR EPDM – Mechanically Attached Membrane – Class A – Continued

55	NC	Insulation (Optional): — Any UL Classified, any thickness. Insulation: Minimum ½" thick wood fiberboard Membrane: Firestone RubberGard LS-FR (EPDM), 45 or 60 mil.	¾"
63	C-15/32	Slip Sheet: Two or more plies Atlas Roofing Corp. Roofing FR 50, mechanically fastened. Membrane: LS-FR RubberGard (EPDM), 45 or 60 mil.	½"
75	C-15/32	Slip Sheet: Two layers GAF VersaShield Underlayment or VersaShield FB-2S, preliminary attachment. Membrane: Firestone .045 or .060; RubberGard LS-FR (½:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
76	C-15/32	Slip Sheet: Two layers GAF VersaShield Underlayment or VersaShield FB-2S, preliminary attachment. Insulation: ISO 95+ GL (any thickness), preliminary attachment. Membrane: Firestone .045 or .060; RubberGard LS-FR (½:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
77	C-15/32	Slip Sheet: Two layers GAF VersaShield FB-1S, preliminary attachment. Insulation (Optional): ISO 95+ GL (any thickness), preliminary attachment. Membrane: Firestone .045 or .060; RubberGard LS-FR (½:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
86	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness. Insulation: ISOGARD HD Composite Board or RESISTA or ISOGARD CG with butt joints in the insulation offset a minimum of 6" from the with the plywood butt joints in the roof deck. Membrane: Firestone RubberGard LS-FR, mechanically attached. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb./100 ft².	½"

Firestone RubberGard LS-FR EPDM – Mechanically Attached Membrane – Class B

Membrane: RubberGard LS-FR EPDM
Construction: New or Tear-off
Classification: Class B

UL Assembly Number	Deck	Roofing System	Maximum Slope
2	NC	Insulation: ISOGARD GL ISO any thickness Membrane: RubberGard LS-FR, 45 or 60 mil	½"
3	C-15/32	Slip Sheet: One layer Atlas Roofing Corp. FR 50 Membrane: RubberGard LS-FR, 45 or 60 mil	½"
7	C-15/32	Base Sheet: One or more plies MB Base Sheet Insulation: Minimum 1 ½" thick ISO 95+GL or minimum 1" thick FiberTop B or minimum ½" thick any UL Classified wood fiber over 1" thick ISO 95+ GL or ISOGARD GL Membrane: LS-FR, 45 or 60 mil	¼"
12	C-15/32	Slip Sheet: One layer GAF VersaShield Underlayment or VersaShield FB-2S, preliminary attachment. Membrane: .045 or .060; "RubberGard™ LS-FR" (1/2:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
14	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness, Insulation: Minimum ½" thick ISOGARD HD or minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG with butt joints in the insulation offset a minimum of 6" from the plywood butt joints in the roof deck. Membrane: RubberGard LS-FR, mechanically attached. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35-lbs./100 ft²	½"

Firestone RubberGard Platinum EPDM – Mechanically Attached Membrane – Class A

Membrane: RubberGard Platinum EPDM
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
12	C-15/32	Insulation (Optional): ISO 95+ GL or EPS any thickness. Coverboard: Firestone ½" ISOGARD HD Coverboard Membrane: Firestone RubberGard, LS-FR EPDM, 45 or 60 mil, or Firestone RubberGard Platinum EPDM, 90 mil.	½"

Firestone RubberGard MAX, MAX PT and/or MAX FR EPDM – Mechanically Attached Membrane – Class A

Membrane: RubberGard MAX, MAX PT or MAX FR (See listing)
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
21	C-15/32	Insulation (Optional): Any UL Classified, any thickness. Barrier Board: Minimum ½" thick water resistant wallboard, with butt joints in the barrier board offset a minimum of 6" from the with the plywood butt joints in the roof deck Membrane: RubberGard MAX FR (EPDM).	1 ½"
23	C-15/32	Barrier Board: Minimum ½" thick water resistant or regular wallboard, with butt joints in the barrier board offset a minimum of 6" from the with the plywood butt joints in the roof deck. Insulation (Optional): Any combination of the following may be used: Perlite, wood fiber, glass fiber, 3" thick maximum. Insulation: Minimum ½" thick wood fiber. Membrane: Firestone RubberGard MAX FR (EPDM).	¼"
28	C-15/32	Barrier Board: Minimum ½" thick water resistant or regular wallboard, with butt joints in the barrier board offset a minimum of 6" from the with the plywood butt joints in the roof deck Insulation (Optional): Any UL Classified polyisocyanurate or phenolic, any thickness. Insulation: Minimum ½" thick wood fiber any UL Classified. Membrane: RubberGard MAX FR (EPDM).	¼"
37	NC	Insulation (Optional): Any UL Classified any thickness, any combination. Insulation: Minimum ½" thick wood fiber (any UL Classified) Membrane: Firestone RubberGard MAX FR (EPDM).	2"
38	NC	Insulation (Optional): Any combination of the following may be used: Perlite, wood fiber, glass fiber, 3" thick maximum. Insulation: Minimum ½" thick wood fiber. Membrane: Firestone RubberGard MAX (EPDM), 45 or 60 mil.	1 ¼"
41	NC	Insulation: ISO 95+ GL, any thickness. Membrane: Standard Reinforced RubberGard MAX (EPDM), 45 or 60 mil.	½"
42	NC	Insulation (Optional): Any UL Classified polyisocyanurate, phenolic, extruded or expanded polystyrene, any thickness. Insulation: Minimum ½" thick wood fiber any UL Classified Membrane: Firestone RubberGard MAX (EPDM), 45 or 60 mil.	1 ¼"
44	C-15/32	Insulation (Optional): Any UL Classified, any thickness. Barrier Board: Minimum ½" thick water resistant wallboard with butt joints in the barrier board offset a minimum of 6" from the with the plywood butt joints in the roof deck. Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness. Membrane: Firestone Standard Reinforced RubberGard MAX (EPDM), 45 or 60 mil.	¼"

Firestone RubberGard MAX, MAX PT and/or MAX FR EPDM – Mechanically Attached Membrane – Class A – Continued

45	C-15/32	Barrier Board: Minimum ½" thick water resistant or regular wallboard with butt joints in the barrier board offset a minimum of 6" from the with the plywood butt joints in the roof deck Insulation (Optional): Any combination of the following may be used: Perlite, wood fiber, glass fiber, any thickness. Insulation: Minimum ½" thick wood fiber. Membrane: Firestone RubberGard MAX (EPDM), 45 or 60 mil.	¼"
47	NC	Insulation (Optional): Any combination of the following may be used with no max thickness: polystyrene (expanded or extruded), perlite, wood fiber, glass fiber, polyisocyanurate, polyurethane, phenolic. Insulation: Minimum ½" thick wood fiber (Huebert) or Firestone FiberTop B Membrane: Firestone RubberGard MAX FR (EPDM), 45 or 60 mil.	2"
48	NC	Insulation: ISOGARD GL ISO any thickness Membrane: Firestone RubberGard MAX (EPDM), 45 or 60 mil.	¼"
59	NC	Insulation (Optional): ISO 95+GL, wood fiber, glass fiber or perlite, any thickness. Membrane: Firestone RubberGard MAX FR (EPDM), 45 or 60 mil.	2 ½"
60	NC	Insulation (Optional): Any UL Classified, any thickness. Insulation: — Minimum ½" thick wood fiberboard or minimum ¼" thick DensDeck Roofboard or DensDeck Prime Roofboard or DensDeck DuraGuard Roofboard or minimum 7/16", APA rated plywood or OSB board. Membrane: Firestone RubberGard MAX FR (EPDM), 45 or 60 mil.	4"
61	C-15/32	Barrier Board: Minimum ½" thick gypsum board or minimum ¼" thick Georgia-Pacific Gypsum LLC DensDeck Roofboard or DensDeck Prime Roofboard or DensDeck DuraGuard Roofboard. Insulation (Optional): ISO 95+GL, wood fiber, glass fiber or perlite, any thickness. Membrane: Firestone RubberGard MAX FR (EPDM), 45 or 60 mil.	2 ½"
62	C-15/32	Barrier Board: Minimum ½" thick gypsum board or minimum ¼" thick Georgia-Pacific Gypsum LLC DensDeck Roofboard or DensDeck Prime Roofboard or DensDeck DuraGuard Roofboard. Insulation (Optional): Any UL Classified, any thickness. Insulation: Minimum ½" thick wood fiberboard or minimum ¼" thick Georgia-Pacific Gypsum LLC DensDeck Roofboard or DensDeck Prime Roofboard or DensDeck DuraGuard Roofboard or minimum 7/16" thick APA rated plywood or OSB board Membrane: RubberGard MAX FR (EPDM), 45 or 60 mil.	4"
63	C-15/32	Slip Sheet: Two or more plies Atlas Roofing Corp. Roofing FR 50, mechanically fastened. Membrane: Any one of the following: a) RubberGard MAX FR, 45 or 60 mil. b) RubberGard MAX, 45, 60 or 75 mil.	½"
64	NC	Insulation (Optional): Any combination of the following may be used: Perlite, wood fiber, glass fiber, 3" thick maximum. Insulation: Minimum ½" thick wood fiber. Membrane: RubberGard MAX (EPDM), 45, 60 or 75 mil.	1 ¼"
65	NC	Insulation Concrete: Deck covered with either of the following insulating concretes (poured in place): Cellular, vermiculite, perlite, gypsum or structural. Optionally, a base concrete deck may be used if all exposed surface joints are grouted. Insulation (Optional): Minimum ½" thick wood fiber any UL Classified. Membrane: Firestone RubberGard MAX (EPDM), 45, 60 or 75 mil.	1 ¼"
67	NC	Insulation: ISO 95+ GL, any thickness. Membrane: Firestone RubberGard MAX (EPDM), 45, 60 or 75 mil.	½"
68	NC	Insulation (Optional): Any UL Classified polyisocyanurate, phenolic, extruded or expanded polystyrene, any thickness. Insulation: Minimum ½" thick wood fiber any UL Classified Membrane: RubberGard MAX (EPDM), 45, 60 or 75 mil.	1 ¼"

Firestone RubberGard MAX, MAX PT and/or MAX FR EPDM – Mechanically Attached Membrane – Class A – Continued

70	C-15/32	Insulation (Optional): Any UL Classified, any thickness. Barrier Board: Minimum ½" thick water resistant wallboard or regular gypsum board with butt joints in the barrier board offset a minimum of 6" from the with the plywood butt joints in the roof deck. Insulation (Optional): Atlas Roofing Corp. ACFoam II, Rmax Operating LLC Multi-Max, ISO 95+ GL, any thickness. Membrane: Firestone RubberGard MAX (EPDM), 45, 60 or 75 mil.	¼"
75	C-15/32	Slip Sheet: Two layers GAF VersaShield Underlayment or VersaShield FB-2S, preliminary attachment. Membrane: Firestone .045 or .060; RubberGard MAX (½:12); RubberGard MAX FR or 75 mil (1 ½:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
76	C-15/32	Slip Sheet: Two layers GAF VersaShield Underlayment or VersaShield FB-2S, preliminary attachment. Insulation: ISO 95+ GL (any thickness), preliminary attachment. Membrane: Firestone .045 or .060; RubberGard MAX or 75 mil (½:12); RubberGard MAX FR (2:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
77	C-15/32	Slip Sheet: Two layers GAF VersaShield FB-1S, preliminary attachment. Insulation (Optional): ISO 95+ GL (any thickness), preliminary attachment. Membrane: Firestone .045 or .060; RubberGard MAX or 75 mil (½:12); RubberGard MAX FR (¾:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
81	NC	Insulation (Optional): Any UL Classified, any thickness Insulation: Minimum ½" thick ISOGARD HD or minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD HD Membrane: Firestone RubberGard Max, mechanically attached. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35-lb./100-ft².	½"
85	NC	Insulation (Optional): Any UL Classified, any thickness Insulation: Minimum ½" thick Firestone ISOGARD HD or minimum 1" thick Firestone ISOGARD HD Composite Board or ½" thick Firestone RESISTA or ISOGARD CG Membrane: Firestone RubberGard Max FR, mechanically attached Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, Firestone AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35-lb./100 ft².	¾"
86	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness. Insulation: ISOGARD HD Composite Board or RESISTA or ISOGARD CG with butt joints in the insulation offset a minimum of 6" from the with the plywood butt joints in the roof deck. Membrane: Firestone RubberGard LS-FR, RubberGard MAX, RubberGard MAX FR and RubberGard Platinum, mechanically attached. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35-lb./100 ft².	1½"

Firestone RubberGard MAX, MAX PT or MAX FR EPDM – Mechanically Attached Membrane – Class B

Membrane: RubberGard MAX, MAX PT or MAX FR (See listing)
Construction: New or Tear-off
Classification: Class B

UL Assembly Number	Deck	Roofing System	Maximum Slope
3	C-15/32	Slip Sheet: One layer Atlas Roofing Corp. FR 50. Membrane: Any one of the following: a: Firestone RubberGard™ MAX FR, 45 or 60 mil. b: Firestone RubberGard™ MAX, 45, 60 or 75 mil.	½"
6	C-15/32	Base Sheet: One or more plies MB Base Sheet. Insulation: Minimum 1 ½" thick ISO 95+GL or minimum 1" thick FiberTop B or minimum 1/2-in. thick any UL Classified wood fiber over 1" thick ISO 95+GL or ISOGARD GL Membrane: Standard Reinforced RubberGard (EPDM), 45 or 60 mil, or RubberGard MAX (EPDM), 45, 60 or 75 mil.	½"
8	C-15/32	Base Sheet: One or more plies MB Base Sheet. Insulation: Minimum 1 ½" thick ISO 95+GL or minimum 1" thick FiberTop B or minimum ½" thick any UL Classified wood fiber over 1" thick ISO 95+GL or ISOGARD GL Membrane: RubberGard MAX FR (EPDM), 45 or 60 mil.	1"
9	C-15/32	Insulation: Minimum 1" thick FiberTop B or minimum ½" thick any UL Classified Wood Fiber over 1 ½" thick ISO 95+ GL or ISOGARD GL. Membrane: Standard Reinforced RubberGard™ (EPDM), 45 or 60 mil, or RubberGard™ MAX (EPDM), 45, 60 or 75 mil.	½"
10	C-15/32	Insulation: Minimum 1" thick FiberTop B or minimum ½" thick any UL Classified Wood Fiber over 1 ½" thick ISO 95+ GL or ISOGARD GL. Membrane: RubberGard MAX FR (EPDM), 45 or 60 mil.	¼"
11	C-15/32	Insulation: Minimum 1" thick FiberTop B or minimum ½" thick any UL Classified Wood Fiber over 1 ½" thick ISO 95+GL or ISOGARD GL Membrane: RubberGard MAX FR (EPDM), 45 or 60 mil.	1"
12	C-15/32	Slip Sheet: One layer GAF VersaShield Underlayment or VersaShield FB-2S, preliminary attachment. Membrane: RubberGard MAX or 75 mil (½:12); RubberGard MAX FR (1 ½:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft² and maintain rating.	See Membrane
14	C-15/32	Insulation (Optional): ISO 95+ GL or ISOGARD GL, any thickness, Insulation: Minimum ½" thick ISOGARD HD or minimum 1" thick ISOGARD HD Composite Board or ½" thick RESISTA or ISOGARD CG with butt joints in the insulation offset a minimum of 6" from the plywood butt joints in the roof deck. Membrane: RubberGard LS-FR, RubberGard MAX, RubberGard MAX FR and RubberGard Platinum, mechanically attached. Surfacing (Optional): After the EPDM is allowed to weather for approximately two weeks, AcryliTop PC-100 at 1 gal/100 ft². Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35 lb/100 ft².	½"

Firestone Fire Retardant RubberGard – Mechanically Attached Membrane – Class A

Membrane: Fire Retardant RubberGard EPDM
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
7	NC	Insulation (Optional): Polystyrene, polyisocyanurate, polyurethane, perlite, glass fiber, wood fiber, no max thickness. Insulation: Wood fiber, any UL Classified minimum ½" thick. Membrane: Fire Retardant RubberGard (EPDM), 45 or 60 mil.	1 ½"

Firestone Fire Retardant RubberGard – Mechanically Attached Membrane – Class A – Continued

8	NC	Insulation (Optional): Expanded or extruded polystyrene Dow Chemical STYROFOAM RM, PD, SM, TG, LG or STYROIB, any thickness. Insulation: Wood fiber (Huebert), 1 in. thick, or FiberTop B, FiberTop C or FiberTop S, ½" thick minimum, asphalt side down. Membrane: Firestone Fire Retardant RubberGard (EPDM), 45 or 60 mil.	2 ¼"
9	NC	Insulation: Rmax Operating LLC Thermarof Plus-3, any thickness. (printed side down). Membrane: Firestone Fire Retardant RubberGard (EPDM), 45 or 60 mil.	1 ¾"
10	NC	Insulation: ISO 95+ GL, Atlas Roofing Corp. ACfoam II or Rmax Operating LLC Multi-Max, any thickness. Membrane: Firestone Fire Retardant RubberGard™ (EPDM), 45 or 60 mil.	1"
11	NC	Insulation (Optional): Polyisocyanurate, phenolic, perlite, wood fiber, glass fiber, polyurethane, perlite/polyisocyanurate, no max thickness. Insulation: Wood fiber any UL Classified ½" thick minimum. Membrane: Fire Retardant RubberGard™ (EPDM), 45 or 60 mil.	2"
15	NC	Insulation Concrete: Deck covered with either of the following insulating concretes (poured in place): cellular, vermiculite, perlite, gypsum or structural. Optionally, a base concrete deck may be used if all exposed surface joints are grouted. Insulation (Optional): Wood fiber any UL Classified, 1" max. Membrane: Firestone Fire Retardant RubberGard (EPDM), 45 or 60 mil.	1"
16	NC	Insulation: Apache Pyrox, any thickness. Membrane: Firestone Fire Retardant RubberGard (EPDM), 45 or 60 mil.	¾"
19	NC	Insulation: — Johns Manville "ENRGY 2G", any thickness. Membrane: — Firestone "Fire Retardant RubberGard™" (EPDM), 45 or 60 mil.	½"
20	NC	Insulation (Optional): — Any UL Classified, any thickness. Barrier Board: — Regular or water resistant wallboard, 1/2 in. nominal. Membrane: — Firestone "Fire Retardant RubberGard™" (EPDM) (45 or 60 mil). Surfacing: — (Optional for Firestone "Fire Retardant RubberGard™"). After the EPDM is allowed to weather for approximately two weeks, Firestone "AcryliTop™ PC-100" at 1 gal/100-ft. ² . Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35-lbs/100-ft. ² .	3 ½"
84	NC	Insulation (Optional): — Any UL Classified, any thickness. Insulation: — Minimum 1/2-in. thick Firestone "ISOGARD™ HD" or minimum 1-in. thick Firestone "ISOGARD™ HD Composite Board" or 1/2-in. thick Firestone "RESISTA™" or "ISOGARD CG". Membrane: — Firestone "Fire Retardant RubberGard™", mechanically attached. Surfacing (Optional): — After the EPDM is allowed to weather for approximately two weeks, Firestone "AcryliTop™ PC-100" at 1-gal/100-ft. ² . Optional: General purpose or silica sand (sieve size of 50 to 100) may be applied into the wet coating at 35-lbs./100-ft. ² .	¾"

Firestone RubberGard EPDM – Maintenance and Repair Systems – Class A

Membrane: See Listing
Attachment: See Assembly
Construction: New or Tear-off
Classification: Class A

UL Assembly Number	Deck	Roofing System	Maximum Slope
7	NC	Existing Roof System: Class A, B or C, BUR, cap sheet or gravel surfaced, gravel to be maintained at 400 lb/100 ft ² . Insulation: Dow Chemical USA STYROFOAM Brand Recovery Board, 1" thick max. Ply Sheet: Type G1 or Type G2. Membrane: RubberGard™ MAX (EPDM), 45 or 60 mil mechanically fastened in accordance with the manufacturers installation instructions.	1"

Firestone RubberGard EPDM – Maintenance and Repair Systems – Class A – Continued

8	NC	Existing Roof System: Class A, B or C, cap sheet or gravel surfaced, loose gravel may be removed. Insulation: Dow Chemical USA STYROFOAM Brand Recovery Board, maximum 1" thick. Ply Sheet (Optional): Type G1 or Type G2. Membrane: Firestone RubberGard MAX FR, 45 or 60 mil mechanically fastened in accordance with the manufacturers installation instructions.	1"
14	NC	Existing Roof System: Class A, B or C, cap sheet or gravel surfaced, gravel to be maintained at 400 lb/100 ft ² . Insulation: Dow Chemical USA STYROFOAM Brand Recovery Board, 1" thick max. Ply Sheet: Type G1 or Type G2. Membrane: Firestone RubberGard MAX (EPDM), 45 or 60 mil mechanically fastened in accordance with the manufacturers installation instructions.	1"

Firestone RubberGard EPDM – Maintenance and Repair Systems – Class A, B or C

Membrane: See Listing
Attachment: See Assembly
Construction: New or Tear-off
Classification: Class A, B or C

UL Assembly Number	Deck	Roofing System	Maximum Slope
2	C-15/32	Existing Roof System: — Any Class A, B or C Build-Up Roof System, to retain rating place. Slip Sheet: — One layer VersaShield Underlayment, preliminary attachment. Membrane: — Firestone .045 or .060; RubberGard LS-FR (½:12); RubberGard MAX or 75 mil (½:12); RubberGard MAX FR (1 ½:12); EPDM membranes may be coated with Firestone AcryliTop PC-100 at 1 gal/100 ft ² and maintain rating.	See Membrane
8	C-15/32	Existing Roof System: — Class A, B or C roofing system, to retain the existing Classification, is covered with: Slip Sheet (Optional): — One or more layers GAF VersaShield, Atlas Roofing Corp. FR 10 or FR 50. Insulation (Optional): — Firestone ISOGARD HD, RESISTA, or ISOGARD CG, ISO 95+ GL any thickness. Membrane: — Firestone RubberGard MAX, Fire Retardant RubberGard, RubberGard MAX FR or RubberGard LS-FR membranes mechanically fastened. Note 1: Maximum incline not to exceed that for which the existing roofing system is currently Classified.	See Note 1
11	C-15/32	Existing Roof Systems: — Class A, B or C, BUR (smooth surface of cap sheet) to retain existing classification covered with: Insulation: — Minimum ½" thick ISOGARD HD or minimum 1" thick ISOGARD HD Composite Board. Membrane: — RubberGard LS-FR (¾:12), RubberGard Platinum, RubberGard MAX, (½:12), RubberGard MAX FR (2 ½:12) or EcoWhite (1:12).	See Membrane

UL Internal Fire Ratings

To determine the resistance of a building to internal sources of fire, Underwriters Laboratories has conducted extensive testing and classification of wall, floor/ceiling and roof/ceiling assemblies. UL classified assemblies are rated according to the time in hours the assembly will contain a fire and still maintain structural integrity. Testing is conducted in accordance with UL Standard 263 (ASTM E-119), which is recognized by all major building codes.

Roof/Ceiling Assemblies are listed in the UL Fire Resistance Directory - Vol. 1 under the prefix "P" and are classified by hourly fire rating according to the type of protection used to contain a fire:

Assembly	Protection Used
P000 – P099	Concealed grid suspended ceiling
P200 – P299	Exposed grid suspended ceiling
P400 – P499	Metal lathe (plaster) ceiling
P500 – P599	Gypsum board ceiling
P600 – P699	Miscellaneous fireproofing
P700 – P799	Spray-Applied Resistive Material
P800 – P899	Spray-Applied Resistive Material
P900 – P999	Unprotected concrete or composite decks

It should be noted that the roof membrane forms only a small part of the total roof/ceiling assembly. For a structure to qualify for a "P" Assembly or Roof Deck Construction, **all** materials used to construct the assembly (including roof decking, ceiling materials, light fixtures, duct work and structural support members) must be UL classified and installed as described in the appropriate UL Directories.

The insulations listed with each of the following "P" Assemblies are not, in most cases, the only UL accepted insulations for that assembly. Consult the UL Fire Resistance Directory - Vol. 1 for "P" Assembly information and the UL Roofing Materials and Systems Directory for Roof Deck Construction information, or call Firestone Technical Services for additional accepted insulations.

UL has indicated on page 8 of the 2008 Fire Resistance Directory - Vol. 1 that "Class A, B or C roof coverings consisting of hot mopped or cold applied bituminous materials or a roof covering material classified under 'Roofing Membranes' (CHCI) may be applied directly to the concrete or wood surface of floor designs being used as roofs without a reduction of fire resistance ratings." They further state on page 8 that "Roof insulation is to be carefully controlled relative to manufacturer, type and thickness as specified. Less than the specified thickness could result in higher temperatures on the roof covering while a greater thickness of insulation could cause earlier structural failure. Classified polystyrene insulation, with a density of 5 pcf or less, may be placed on concrete floors or structural concrete roofs without reducing the assembly rating. When polyisocyanurate insulation is used over concrete in D 900 Series Designs, the unrestrained beam rating shall be increased by a minimum of ½ hour."

Roof Deck Constructions are listed in the UL Roofing Materials and Systems Directory and are rated according to the interior flame spread of the assembly as compared to the flame spread of a typical built-up roof installed over a metal deck (UL 1256). Roof Deck Constructions may also be classified according to wind uplift performance. The fire rating of a UL Roof Deck Construction is similar to the Factory Mutual Class I internal fire (calorimeter) rating and they are deemed equivalent by the Model Building Code Agencies.

UL Roof Deck Constructions and "P" Assemblies

Deck Constructions (Tested in accordance to UL 1256)

Firestone UltraPly TPO 96/120 roofing systems are classified for use in the following Deck Construction:

1, 2, 9, 14, 120, 123, 158, 200, 219, 237, 260, 276, 289, 292, 325, 374, 411, 412, 413, 419, 421, 440, 441, 444, 457, and 458. Consult Roof Deck Constructions (TGKX) in the UL Roofing Materials and Systems Directory, your regional technical coordinator or the Firestone Codes Department for an acceptable insulation for use in these constructions.

"P" Assemblies (Designs)

Firestone TPO 96/120 roofing systems are classified for use in the following hourly roof / ceiling designs. **Ballasted, adhered or mechanically attached systems with or without optional wood fiber or mineral board insulation** for use in Design numbers:

[P215](#), [P216](#), [P225](#), [P227](#), [P230](#), [P231](#), [P242](#), [P246](#), [P251](#), [P259](#), [P405](#), [P406](#), [P407](#), [P410](#), [P508](#), [P510](#), [P511](#), [P512](#), [P513](#), [P514](#), [P519](#), [P701](#), [P708](#), [P709](#), [P710](#), [P711](#), [P712](#), [P717](#), [P718](#), [P719](#), [P720](#), [P722](#), [P723](#), [P725](#), [P726](#), [P727](#), [P728](#), [P729](#), [P730](#), [P731](#), [P732](#), [P733](#), [P734](#), [P735](#), [P737](#), [P738](#), [P739](#), [P801](#), [P810](#), [P811](#), [P815](#), [P819](#), [P822](#), [P824](#), [P825](#), [P826](#), [P827](#), [P902](#), [P903](#), [P904](#), [P905](#), [P906](#), [P907](#), [P908](#), [P909](#), [P910](#), [P911](#), [P912](#), [P913](#), [P914](#), [P915](#), [P916](#), [P917](#), [P919](#), [P920](#), [P921](#), [P922](#), [P923](#), [P925](#), [P926](#), [P927](#), [P928](#), [P929](#), [P930](#), [P931](#)

Consult Fire Resistance Ratings (BXUV) in the UL Fire Resistance Directory, your regional technical coordinator or the Firestone Codes Department for an acceptable insulation, thickness and additional requirements.

NOTE: The accepted insulation must be used in a UL Class A, B or C rated roofing assembly. UL acceptable system (e.g., adhering EPDM to Perlite or Fiberglass) listed for "P" design may not be approved for installation and warranty by Firestone. Contact Firestone Specifications and/or your Firestone Regional Technical Coordinator concerning acceptance.

Factory Mutual General Information

Factory Mutual Class 1 Approvals cover a wide range of testing of roofing products, including tests for fire resistance, corrosion resistance, fuel contribution and hail damage, Factory Mutual Approvals are known best for the uplift resistance, 1-60, 1-90, etc. afforded by an FM Approved roofing assembly:

- FM 1-60 assemblies have been tested to withstand 60 psf air pressure applied for a period of one minute as well as one minute at the 30 and 45 psf levels.
- FM 1-90 assemblies have been tested to withstand 90 psf air pressure applied for a period of one minute as well as one minute at the 30, 45, 60 and 75 psf levels.
- Higher uplift ratings are possible based on the deck type and its attachment, fastener density and row spacing where applicable.

When Factory Mutual 1-60 or 1-90 uplift ratings are specified, additional insulation attachment and reduced perimeter and corner batten (in-seam plate or batten for Reinforced Systems) spacing will/may be required. Consult the current edition of Factory Mutual Loss Prevention Data Sheets 1-28 and 1-29 for instructions for determining the required corner and perimeter dimensions and reduced spacing and increased fastener densities.

Ground Roughness Definitions

The descriptions below are based on information in ASCE 7. While information on this subject in the body of that standard is relatively brief, the designer must read the considerable additional information provided in the related commentary section of that document, particularly when then exposure is not obvious.

For Exposure Category B to be used:

- A. The exposing terrain should include urban and suburban areas, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger.
- B. Use of this exposure category should be limited to those areas for which the above terrain prevails in all directions for a distance of at least 2600' (800 m) or 20 times the height of the building or other structure, whichever is greater.
- C. Limited openings in this terrain, such as small parking lots, roads, road intersections, playing fields, underdeveloped lots, and tree clearings can be tolerated. For openings that exceed 600' (180 m) in total length measured radially from the building and 165' [50 m] in width, use surface roughness exposure C.
- D. For buildings whose height is less than or equal to 30' (9.1 m), the prevailing exposure B distance may be reduced to 1500' (460 m).
- E. In cases where the difference between exposures B and C is not obvious, use exposure C.

Exposure Category C

NOTE: In cases where the difference between exposure B and C is not obvious, use exposure C.

For Exposure Category C to be used:

- A. The exposing terrain should be open with scattered obstructions having heights generally less than 30' (9 m), such as flat, open country and grasslands, and in all cases where exposures B and D do not apply.
- B. This also includes where surface roughness exposure B terrain is interrupted by clearings (parking lots, wide roads, road intersections, playing fields, underdeveloped lots, tree clearings, etc.) of greater than 600' (180 m) in total length measured radially from the building and exceeding 165' (50 m) in width.

Exposure Category D

NOTE: Some examples of D exposures include inland waterways, the Great Lakes, and coastal areas. See fig. 3.2.2.3 in FM Global LPDA 1-28 for examples of Exposure D requirements. For Exposure Category D to be used in determining the design wind pressure, all the following must be met:

- A. The terrain upwind of the structure must be flat, unobstructed areas or water surfaces including smooth mud flats, salt flats, and unbroken ice and is present in the upwind direction for a distance greater than approximately 5000' (1500 m) or 20 times the building height, and
- B. The building must be within the greater of 600' (180 m) or 20 times the building or structure height from the terrain (see Fig. 3.2.2.3), even if the terrain between the building and the terrain described in A. above would otherwise be considered Category B or C.

Ballasted Systems

The following information has been extracted from FM Global Property Loss Prevention Data Sheet 1-29. FM Approvals does not approve ballasted systems. If a ballasted system is to be used, select components that are FM Approved for use together as shown in a specific RoofNav assembly. In lieu of fasteners or adhesives used to secure above-deck components, use ballast in accordance with information found in LPDS 1-29, Section 2.2.10.17 to provide wind resistance.

It is not possible to evaluate the uplift resistance of ballasted systems in the same manner as adhered coverings. The criterion for failure for the latter systems is separation of the covering from the insulation, or the insulation from the deck. Ballasted systems fail these criteria by definition.

Uplift forces are not uniform over the entire roof. Properly designed ballasted systems, take advantage of the average uplift force in a given roof area. The membrane distributes the uplift force, allowing the ballast to be effectively used. Extreme winds, however, may cause gravel scour, paver dislodgement, and ballooning of the covering. A parapet at least 3 feet (0.9 m) will help to reduce ballast scour.

General Notations

PLEASE NOTE: Not all FM-rated assemblies that use Firestone roofing products are eligible for the Firestone Red Shield, Red Shield Medallion, or Platinum Warranty. The Firestone standards, guidelines, and specifications regarding roofing system components and attachment for the warranty desired must be followed.

RoofNav® assemblies are summarized in the following tables; however, an assembly search should be conducted to confirm the attachment rates and requirements set for in the approval number. In all occasions, should a discrepancy occur between this guide and RoofNav, the published information located in the approval at www.roofnav.com should be adhered and utilized.

Additionally, please be aware that the following assemblies typically are in reference to the field of the roof rating and attachment. Please refer to FM Global Loss Prevention Data Sheet 1-28 and 1-29 to determine the requirements for additional fastening requirements in the perimeter and corner.

In all cases, when the project is Factory Mutual insured, please consult the FM agent assigned to the review of the project to ensure compliance.

The assemblies listed in this document may not be suitable for a Firestone Warranty. Prior to installation, contact a Firestone Representative for approval of assembly for warranty purposes.

It is acceptable to use multiple layers of FM Approved insulation, **mechanically secured through all layers**, provided all the following are true:

- All layers are the same insulation;
- The total insulation thickness is not greater than the maximum FM Approved thickness of the insulation;
- The mechanical fastening and wind uplift rating are per the FM Approval of the top layer; and,
- The roof cover/insulation/fastener combination is FM Approved.

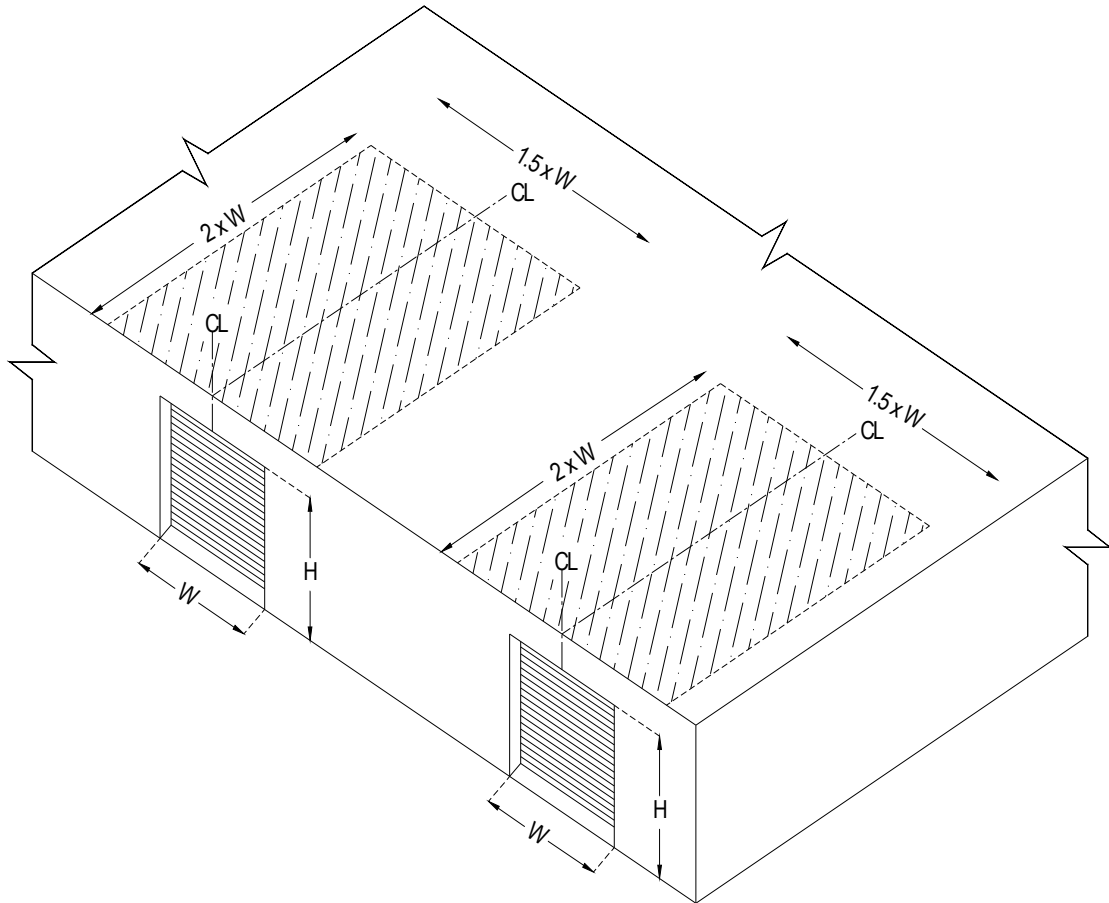
****Water Based Bonding Adhesive-P (WBBA-P) is the equivalent to Water Based Bonding Adhesive-S (WBBA-S)****

Large Wall Opening Enhancement

ASCE 7 should be consulted to determine the appropriate building configuration, enclosed, partially enclosed or open. The building configuration impacts the appropriate design and attachment required for the roofing system. If an existing building is altered, adding large openings, change of use, etc., adjustments may need to be made to accommodate the changes.

The large wall opening enhancement is required when the sum of the various opening areas ($w \times h$) is greater than 10% of the wall area.

Perimeter $\frac{1}{2}$ sheets are required in the hatched area as shown in the diagram below. It is common installation practice to extend the perimeter along this entire building plan dimension to accommodate this rule, but it not required. For warranty purposes Firestone finds it acceptable to utilize battens, plates and fasteners or Invisiweld attachment methods for this enhancement.



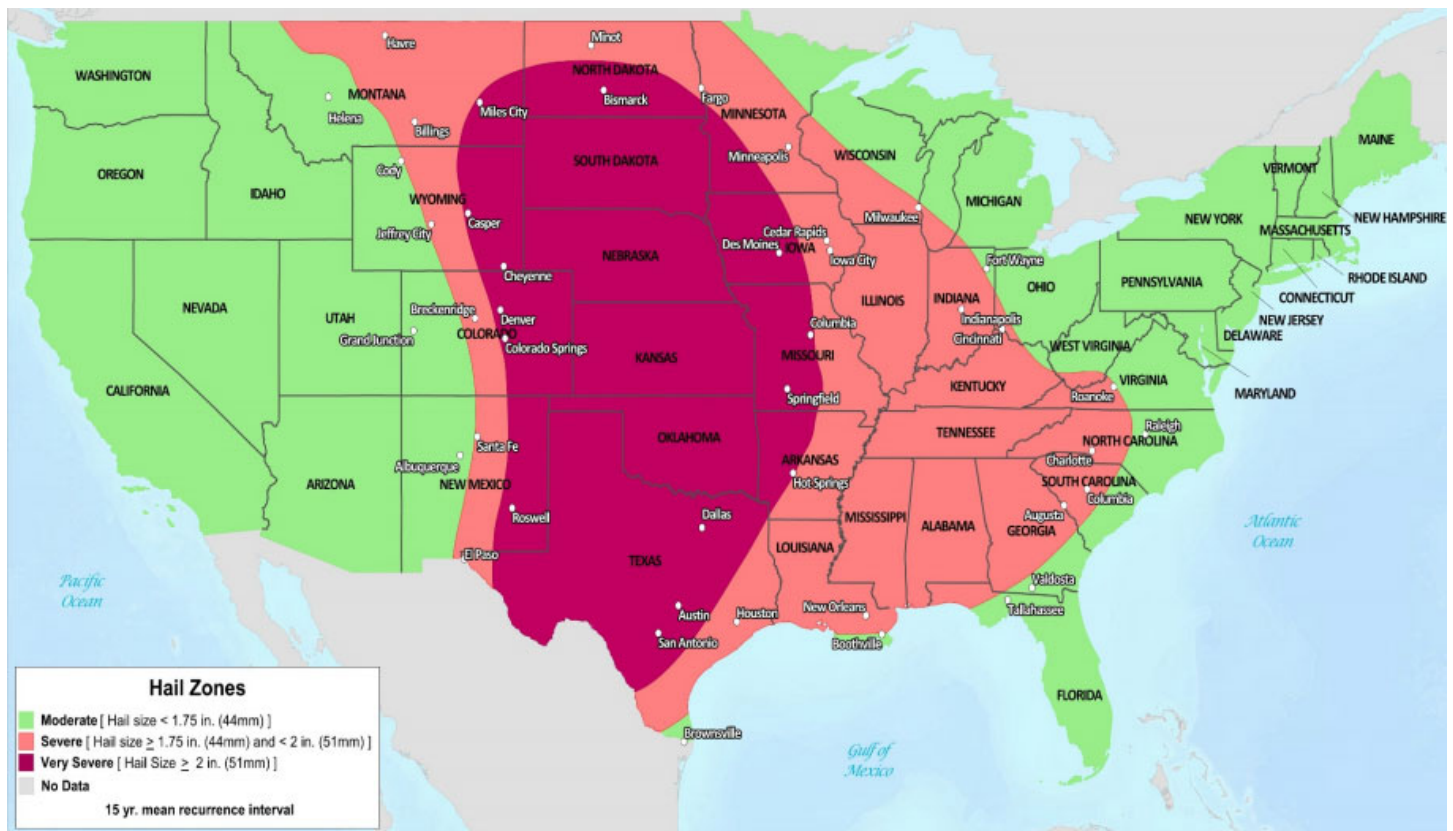
Factory Mutual (FM) Hail Ratings

Use FM RoofNav to find properly rated roof assemblies. The following information has been referenced from the FM Global Property Loss Prevention Data Sheet (LPDS) 1-34. FM recommends using a different hail rated assemblies determined by the projects location. Reference the map provided (Fig. C-1) to determine which rating may be required for your FM insured project. Install the FM Approved roof according to the RoofNav listing and the manufacturer's instructions. Perimeter flashing while not carrying a hail rating should be installed in accordance to LPDS 1-49, Perimeter Flashing. It is the responsibility of the building owner to validate the project meets the local building code requirements.

Hail Hazard Area	Roof Assembly Type	FM Approval Rating
Very Severe Hail (VSH)	Poured concrete or concrete paver covered roof ^{1,2}	N/A
	Any FM Approved Roof	VSH
Severe Hail (SH)	Any FM Approved Roof	VSH, SH, FM Class 3 or FM Class 4
	Poured concrete, concrete paver or aggregate (stone) covered roof ^{1,2}	N/A
Moderate Hail (MH)	Any FM Approved Roof	VSH, SH, MH, FM Class 2, FM Class 3 or FM Class 4
	Poured concrete, concrete paver or aggregate (stone) covered roof ^{1,2}	N/A

1. Follow Data Sheet 1-29, Roof Deck Securement and Above-Deck Roof Components, for use and restrictions on concrete pavers and aggregate (stone).
2. Concrete pavers meeting ASTM C1491-18, Standard Specification for Concrete Roof Pavers, or equivalent standard outside the US.

Fig. C-1. Hailstorm hazard map for the contiguous United States



Roof Zone Definition – Factory Mutual (FM)

The following diagrams are referenced from the FM Global Property Loss Prevention Data Sheets 1-28 and 1-29. This outlines how to determine the minimum required roof zone areas based on the building size and relative conditions.

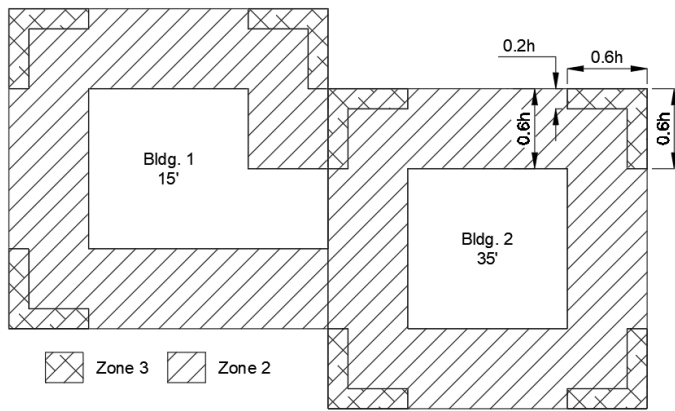
Roof Zone Layout Based on Building Height	
For low-slope roofs $\leq 7^\circ$ (1.5 in./ft. slope) and $h \leq 60$ ft (18 m), or $h < 90$ ft (27 m) and $h/w \leq 1.0$, the roof can be divided into four zones as a function of h, where h = the mean roof height. Zone 3(Corner): The roof corners, with L-shaped dimension = $0.6h$ by $0.6h$ by $0.2h$. Zone 2 (Perimeter): The roof perimeter, inward from the roof edge, with rectangular dimension and width = $0.6h$ from roof edges. Zone 1 (Field): The field-of-roof (area inside corners and perimeter corners) up to a distance of $1.2h$ from the roof perimeter. Zone 1' (Field Prime): Applies to relatively wide buildings ($> 2.4h$) and covers the remaining roof area inward from Zone 1.	Roof Slopes $\leq 7^\circ$ (1.5 in./ft slope) and $h > 60$ ft (18 m) for $h/w > 1.0$; or $h \geq 90$ ft (27.4 m) for $h/w \leq 1.0$, the roof can be divided into three zones as a function of a, where $a = 10\%$ of the lesser plan dimension, but not less than 3 ft (0.9 m). Zone 3(Corner): The roof corners, with L-shaped dimension = $2a$ by $2a$ by a. Zone 2 (Perimeter): The roof perimeter zone width dimension = a width in from roof edges. Zone 1 (Field): The field-of-roof (area inside corners and perimeter areas) is the remainder of the roof area.
Note: If a parapet with a minimum height of 3 ft (0.9 m) is provided around the entire perimeter, Zone 2 values may be used in Zone 3.	
Example: Roof height of 30' $.6 \times 30' = 18'$ $.2 \times 30' = 6'$ Zone 3(Corner): 0.6×30 by 0.6×30 by $0.2 \times 30 = 18'$ by $18'$ by $6'$ Zone 2 (Perimeter): $0.6 \times 30 = 18'$ Zone 1 (Field): $0.6 \times 30 = 18'$ Zone 1' (Field Prime): Covers the remaining roof area inward from Zone 1.	Example: Roof size and height of $55' \times 55' \times 65'$ $10\% \text{ of } 55' = 5.5'$ $a = 5.5'$ Zone 3(Corner): $2 \times 5.5'$ by $2 \times 5.5'$ by $5.5' = 11'$ by $11'$ by $5.5'$ Zone 2 (Perimeter): $5.5'$ Zone 1 (Field): Remainder of roof area

Roof Slopes $> 7^\circ$ ($> 1.5''$)

For roof slopes $> 7^\circ$ ($> 1.5''$), depending on the slope. The width (a) of the various perimeter and corner zones for these steeper sloped roofs equals the lesser of 10% of the building width or $0.4h$, but not less than 4% of the width or 3 ft (0.9 m). See FM Global Property Loss Prevention Data Sheet 1-28 for your specific conditions.

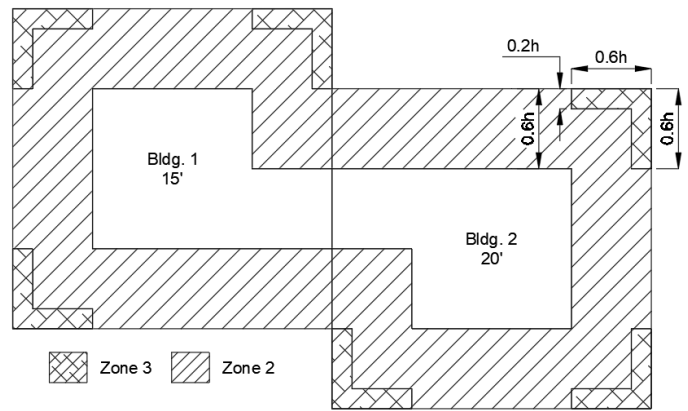
Roof Elevation Changes

Elevation change of ≥ 10 ft



Where the difference in roof elevations between abutting buildings or building sections is greater than or equal to 10 ft (3.0 m), treat abutting areas of the higher building as perimeter and corner areas in accordance with figure shown above.

Elevation change of < 10 ft



Where the difference in roof elevations between abutting buildings is less than 10 ft (3.0 m), follow guidance in figure shown above. The perimeter and field zones continue from one roof to the other. The buildings must be abutting for this to apply.

Note: The buildings do not abut if there is any horizontal separation.

Prescriptive Enhancement Options: Perimeter and Corner

Adhered Membrane – Insulation Enhancements (choose one):

Option 1:	Use a system that is rated adequate for Zone 3 in all areas of the roof.
Option 2:	Prescriptive enhancements for Zones 2 and 3
Limitations:	- Zone 1 rating in any location does not exceed Class 1-90 - Building is in non-tropical cyclone-prone region and Zone 1 rating does not exceed Class 1-105

For either of the above conditions, increase the securement over the Zone 1 rating as follows:

Assemblies using insulation fasteners, enhance as follows:

Zone 2:	Increase number of fasteners per board by 50% minimum, but at least one fastener per 2 ft ²
Zone 3:	Install one fastener per 1 ft ²

Note: Round up to the next whole fasteners if necessary

Components adhered with adhesives applied in ribbons, spots, etc.:

Zone 2:	Install rows not more than 67% of the Zone 1 spacing between rows, or area
Zone 3:	Install rows not more than 50% of the Zone 1 spacing between rows, or area

Note: Round the bead spacing down to the next whole number. 8.71 in o.c. beads spacing would be rounded down to 8 in o.c.

Mechanically Attached Membrane – Membrane Securement Enhancements – In Seam

Prescriptively enhance by reducing the distance between rows of roof cover fasteners and stress plates or batten bars from the Zone 1 spacing using the following:

Zone 2:	Ensure distance between rows is not more than 67% of the FM approved spacing used for Zone 1
Zone 3:	Ensure distance between rows is not more than 50% of the FM approved spacing used for Zone 1

Note: For metal decks install all rows of roof cover fasteners perpendicular to the ribs of the roof deck to better distribute the wind load and prevent deck failure.

Example:

A 75 psf rated assembly using a 10' sheet size for Zone 1 (Field), decrease the row spacing for Zone 2 (Perimeter) by no more than 67% and Zone 3 (Corner) by no more than 50% of the field sheet span. (Always round down.)

Zone 1 (Field): 10' Sheets at 114" o.c. rows of fasteners
 Zone 2 (Perimeter): 114" rows x .67 = 76.38" rows = Max 76" o.c. rows
 Zone 3 (Corner): 114" rows x .5 = 57.5" rows = Max 57" o.c. rows

Invisiweld Attached Membrane – Membrane Securement Enhancements

Prescriptively enhance by reducing the distance between rows of roof cover fasteners and stress plates from the Zone 1 spacing using the following:

Zone 2:	Decrease spacing between fastener points in one or both directions. Ensure the total tributary area to each fastener is not more than 67% of the FM approved spacing used for Zone 1
Zone 3:	Decrease spacing between fastener points in one or both directions. Ensure the total tributary area to each fastener is not more than 50% of the FM approved spacing used for Zone 1

Note: Pre-securement of the insulation may be required. See tested assembly for validation. When rows of fasteners are used install all rows of roof cover fasteners perpendicular to the ribs of the roof deck to better distribute the wind load and prevent deck failure.

Example:

Zone 1: 24"x 24" pattern (6 fasteners per board or a tributary area of 4 sq. ft. per fastener)
 Zone 2: 16" x 24" pattern (12 fasteners per board or a tributary area of 2.68 sq. ft. per fastener)
 Due to rib spacing you may need: 12" x 24" pattern (14 per board or tributary area of 2.28 sq. ft. per fastener)
 Zone 3: 12" x 24" pattern (tributary area of 2 sq. ft. per fastener)

Base Sheet Attachment Over FM Approved Deck Types:

The table below outlines the options for prescriptive enhancement options for base sheet attachment over FM approved deck types. For non-FM approved deck types, like wood, see FM Global Property Loss Prevention Data Sheet 1-29, Section 2.2.10.14.4.

Base Sheet – Mechanically Attached (choose one):

Option 1:	Use assembly that is rated to meet/exceed Zone 3 across the whole roof.
Option 2:	Use assembly that is rated to meet/exceed each zone.
Option 3:	Reduce the spacing between rows of fasteners by using one intermediate row in Zone 2 and Zone 3.
Option 4:	Reduce the area per fasteners to no more than 67% of the FM approved spacing in Zone 2, and not more than 50% of the FM approved spacing in zone 3.

Note:

- Install fasteners that engage lightweight insulating concrete (LWIC) no closer than 4 in. (100 mm) on center to avoid cracking the LWIC.
- When ribbed deck, such as steel deck is used, the fastener spacing within fastener rows must be in even multiples of the deck rib spacing (6 in. [150 mm] for 1-½" [38 mm] deep deck) to ensure the fastener engages the top deck flange.
- To adequately distribute the wind load to the roof deck and its securement and prevent deck buckling and deck securement failure, install fastener rows perpendicular to the deck ribs.

Mechanically Attached Membrane – Preliminary Insulation Securement

The table below provides the minimum preliminary insulation fastening rate required for systems using a mechanically attached membrane. Note the rates may differ based on the use or a vapor retarder, different building enclosure classification and building Zone 1 (Field) pressure rating.

Preliminary Insulation Securement for Fastened in the Seam MFSP's

Vapor Retarder	Building Enclosure Classification	Maximum Required Zone 1 Pressure Rating (P), psf (kPa)	Fastener Requirements for Insulation or Cover Boards up to 4 x 4 ft (1.2 x 1.2 m) board	Fastener Requirements for Insulation or Cover Boards up to 4 x 8 ft (1.2 x 2.4 m) board
No	Enclosed or Partially Enclosed	No limit	Minimum 2 per board	Minimum 4 per board
Yes	Enclosed	P = 60 (2.9)	Minimum 2 per board	Minimum 4 per board
Yes	Partially Enclosed	P = 60 (2.9)	Minimum 4 per board	Minimum 5 per board
Yes	Enclosed or Partially Enclosed	60 < P ≤ 90 (2.9 < P ≤ 4.3)	Minimum 4 per board	Minimum 5 per board
Yes	Enclosed	90 < P ≤ 300 (4.3 < P ≤ 14.4)	Minimum 4 per board	Minimum 8 per board
Yes	Partially Enclosed	90 < P ≤ 300 (4.3 < P ≤ 14.4)	Minimum 6 per board	Minimum 12 per board
Yes	Enclosed	P > 300 (14.4)	Minimum 6 per board	Minimum 12 per board
Yes	Partially Enclosed	P > 300 (14.4)	Minimum 8 per board	Minimum 16 per board

Note:

Table 6 does not apply to roof assemblies with air barriers. Where air barriers are used, more stringent guidelines may be required in RoofNav and those must be followed.

ASCE 7 – Basic Wind Speeds for Risk/Occupancy Category

The American Society of Civil Engineers (ASCE) provides basic wind speed maps based on Occupancy/Risk Category of buildings. Refer to the appropriate version of the ASCE for wind maps specific to the building's occupancy category. These maps can be found in the specific editions of the ASCE and can be found at www.atcouncil.org/wind-speed. Locations that fall within a special wind region should be reviewed by an engineer to validate the full scope of the project's requirements.

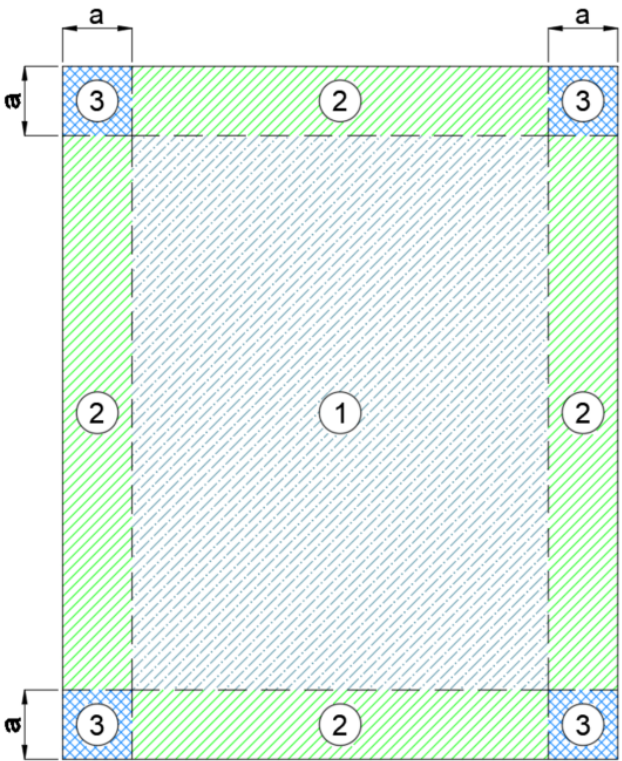
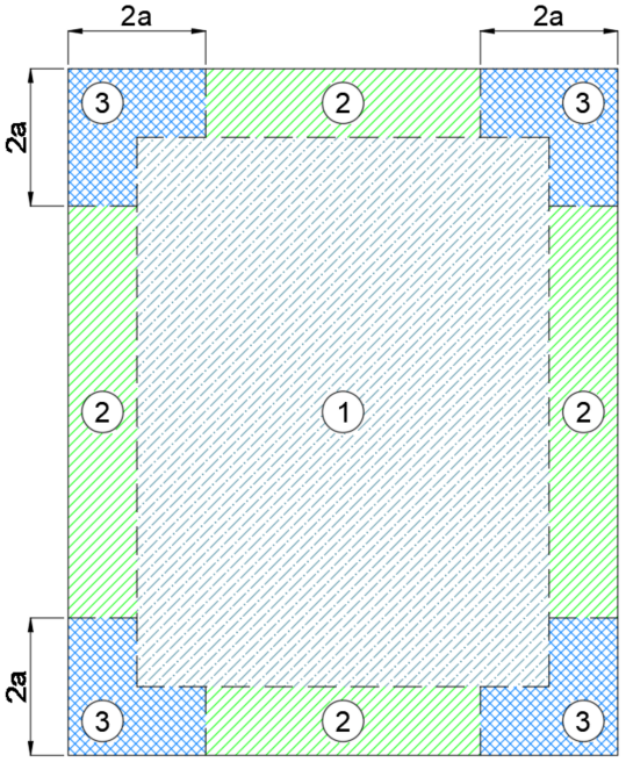
ASCE - American Society of Civil Engineers - Roof Zones

ASCE 7-10 (IBC 2015/2012)

ASCE 7-10 offers basic wind speed maps for occupancy categories I, II, III and IV. In this edition of the ASCE Occupancy Category III and IV are combined on the same map, while category I and II have their own maps. In this edition three maps are provided based on Occupancy/Risk Category. This version of the ASCE uses a more generalized approach to the areas of the county where most of the county falls within one wind speed and the coastal areas are more defined with contour lines and varying wind speeds.

ASCE 7-10 Perimeter and Corner Definition - Examples

The diagram below is an example only. Each building type and shape may require its own specific layout for perimeters and corners. ASCE 7-10 should be consulted for nonstandard building/roof types and shapes.

Roof Heights Where $h \leq 60$ ft.	Roof Heights Where $h > 60$ ft.
	
Notation: a = 10 percent of least horizontal dimension or $0.4h$, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). h = Eave height shall be used for $\theta \leq 10^\circ$. θ = Angle of plane of roof from horizontal, in degrees.	Notation: a = 10 percent of least horizontal dimension, but not less than 3 ft (0.9 m). h = Eave height shall be used for $\theta \leq 10^\circ$. θ = Angle of plane of roof from horizontal, in degrees.

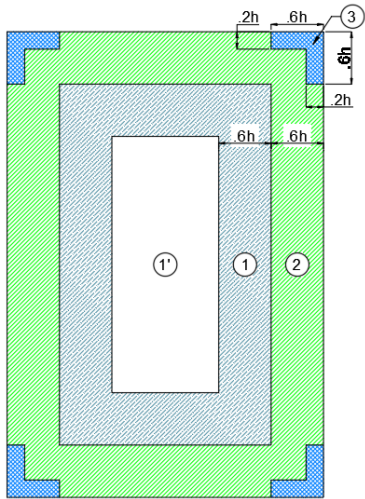
ASCE 7-16 offers basic wind speed maps for occupancy categories I, II, III and IV. In this edition of the ASCE all Occupancy/Risk Categories have been defined on their own maps. In this edition four maps are provided based on Occupancy/Risk Category. This version of the ASCE uses more detailed contour lines throughout the map showing more accurate wind speed estimates.

Data referenced from ASCE/SEI 7-16 Minimum Design Loads and Associated Criteria for Buildings and Other Structures. All referenced information should be validated against the current document and local relevant building codes. Roof zones may change based on actual building size/layout and roof type. See ASCE documents to validate zones based on building conditions.

Firestone
Firestone Building Products

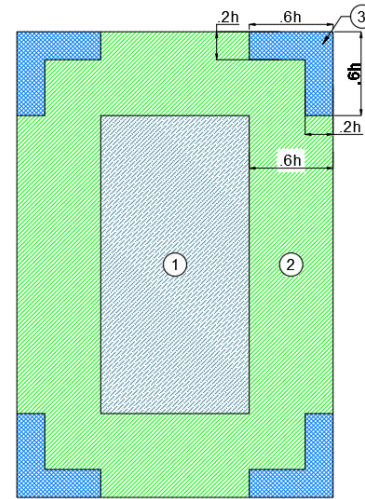
ASCE 7-16 - Potential Zone Layouts Based on Building Ratio Scenario

The figures below have been referenced from the ASCE 7-16 standard. (Figure C30-1)



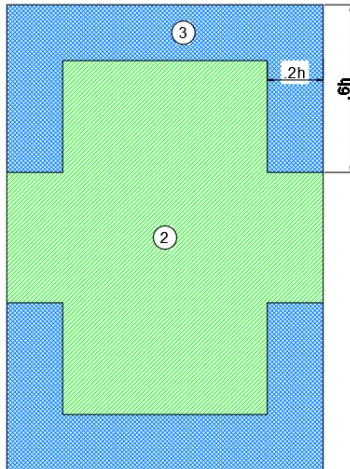
Buildings with least horizontal dimension greater than $2.4h$.

Example: $600' \times 1,000' \times 30' = .2h: 6' \text{ \& } .6h: 18'$
 Zone 3: $18' \times 18' \times 6'$
 Zone 2: 8' wide from roof edge
 Zone 1: 8' wide in from Zone 2
 Zone 1': Remainder



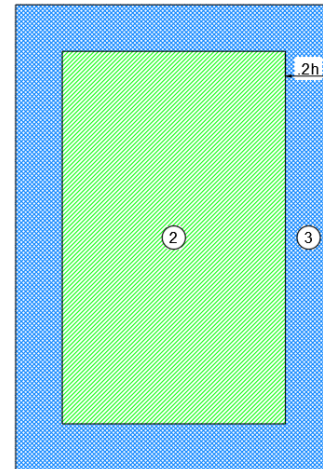
Buildings with least horizontal dimension greater than $1.2h$ but less than $2.4h$.

Example: $50' \times 100' \times 30' = .2h: 6' \text{ \& } .6h: 18'$
 Zone 3: $18' \times 18' \times 6'$
 Zone 2: 18' wide from roof edge
 Zone 1: Remainder



Buildings with least horizontal dimension less than $1.2h$ and largest horizontal dimension greater than $1.2h$.

Example: $30' \times 50' \times 30' = .2h: 6' \text{ \& } .6h: 18'$
 Zone 3: 6' wide from roof edge, 18 legs
 Zone 2: Remainder



Building with largest horizontal dimension less than $1.2h$.

Example: $20' \times 20' \times 20' = .2h: 4'$
 Zone 3: 4' wide from roof edge
 Zone 2: Remainder

When the greatest horizontal dimension is less than $0.4h$, the whole roof area is considered Zone 3.

FM RoofNav Assemblies

Firestone RubberGard EPDM LS-FR – Adhered Membrane

Steel Deck – Gypsum Cover Board (Attached) – ISO (CF)

60 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 100803-0-0	Cover Board	DensDeck		Securock	
		½" min.		½" min.	
Slope: 1"	Attachment	10 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 100807-0-0	Cover Board	DensDeck		Securock	
		¼" min.		½" min.	
Slope: 1"	Attachment	12 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 100804-0-0	Cover Board	DensDeck		Securock	
		¼" min.		¼" min.	
Slope: 1"	Attachment	16 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 422344-0-0	Cover Board	DensDeck		Securock	
		½" min.		½" min.	
Slope: 1"	Attachment	10 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" – 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	V-Force and Primer over ½" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 422347-0-0	Cover Board	DensDeck		Securock	
		¼" min.		¼" min.	
Slope: 1"	Attachment	16 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" – 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	V-Force and Primer over ½" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 422352-0-0	Cover Board	DensDeck		Securock	
		¼" min.		½" min.	
Slope: 1"	Attachment	12 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" – 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	V-Force and Primer over ½" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004

RoofNav #: 399214-0-0	Cover Board	DensDeck			
		¼" min.			
Slope: 1"	Attachment	10 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" – 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Deck	22 – 18 ga., 72" max span, 33 ksi			

75 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-200426

RoofNav #: 399244-0-0	Cover Board	DensDeck			
		5⁄8" min.			
Slope: 1"	Attachment	6 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 75 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" – 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Deck	22 – 18 ga., 72" max span, 33 ksi			
Hail: SH					

90 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.) FullForce/EPDM SA

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 265581-0-0	Cover Board	DensDeck Prime		Securock	
		¼" min.		½" min.	
Slope: 1"	Attachment	12 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 100811-0-0	Cover Board	DensDeck Prime			
		5⁄8" min.			
Slope: 1"	Attachment	8 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 422492-0-0	Cover Board	DensDeck Prime			
		5⁄8" min.			
Slope: 1"	Attachment	8 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" - 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	V-Force and Primer over ½" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 425648-0-0	Cover Board	DensDeck		Securock	
		¼" min.		½" min.	
Slope: 1"	Attachment	12 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" - 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	V-Force and Primer over ¼" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 419730-0-0	Cover Board	DensDeck		Securock	
		½" min.		½" min.	
Slope: 1"	Attachment	16 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 90 psf	Insulation (Optional)	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" - 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	V-Force and Primer over ½" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

105 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 394347-0-0	Cover Board	DensDeck Prime			
		¼" min.			
Slope: 1"	Attachment	18 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 105 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC, Single-Ply LVOC 1168 or Water Based Bonding Adhesive P

RoofNav #: 424391-0-0	Cover Board	DensDeck Prime			
		¼" min.			
Slope: 1"	Attachment	18 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 105 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" - 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	V-Force and Primer over ½" DensDeck			
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi			

120 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: EPDM Solvent Free Bonding Adhesive

RoofNav #: 394347-0-0	Cover Board	DensDeck Prime		Securock	
		½" min.		½" min.	
Slope: 1"	Attachment	24 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 120 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: EPDM Solvent Free Bonding Adhesive

RoofNav #: 425133-0-0	Cover Board	DensDeck Prime	Securock
		½" min.	½" min.
Slope: 1"	Attachment	24 Firestone Heavy-Duty Fasteners and Plates	
Uplift: 120 psf	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		1.5" - 24"	2.3" - 13"
Internal Fire: 1	Attachment	CF	
External Fire: A	Vapor Retarder	V-Force and Primer over ½" DensDeck	
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	

135 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 395778-0-0	Cover Board	DensDeck Prime			
		½" min.			
Slope: 1"	Attachment	18 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 135 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 424410-0-0	Cover Board	DensDeck Prime			
		½" min.			
Slope: 1"	Attachment	18 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 120 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" - 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ½" DensDeck			
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi			

150 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 395779-0-0	Cover Board	DensDeck Prime			
		½" min.			
Slope: 1"	Attachment	20 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 150 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi			

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 200396-0-0	Cover Board	DensDeck Prime	Securock
		½" min.	½" min.
Slope: 1"	Attachment	24 Firestone Heavy-Duty Fasteners and Plates	
Uplift: 150 psf	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		1.5" - 12"	2.3" - 13"
Internal Fire: 1	Attachment	CF	
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 424412-0-0	Cover Board	DensDeck Prime			
		½" min.			
Slope: 1"	Attachment	20 Firestone Heavy-Duty Fasteners and Plates			
Uplift: 150 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 24"	1.5" - 24"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	CF			
External Fire: A	Vapor Retarder	V-Force and Primer over ½" DensDeck			
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi			

165 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 328639-0-0	Cover Board	DensDeck Prime	Securock
		½" min.	½" min.
Slope: 1"	Attachment	32 Firestone Heavy-Duty Fasteners and Plates	
Uplift: 165 psf	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		1.5" - 12"	2.3" - 13"
Internal Fire: 1	Attachment	CF	
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 427085-0-0	Cover Board	DensDeck Prime	Securock
		½" min.	½" min.
Slope: 1"	Attachment	32 Firestone Heavy-Duty Fasteners and Plates	
Uplift: 165 psf	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		1.5" - 24"	2.3" - 13"
Internal Fire: 1	Attachment	CF	
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ½" DensDeck	
Hail: SH	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	

180 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004

RoofNav #: 384587-0-0 Slope: 1" Uplift: 165 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	DensDeck Prime	
		½" min.	
	Attachment	32 Firestone Heavy-Duty Fasteners and Plates	
	Insulation	ISO 95+ GL (F)	ISOGARD GL (F)
		1.5" - 12"	2.3" - 13"
	Attachment	CF	
	Deck	22 – 18 ga., Wide Rib, 72" max span, 80 ksi	

210 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 200397-0-0 Slope: 1" Uplift: 210 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	DensDeck Prime	Securock
		½" min.	
	Attachment	32 Firestone Heavy-Duty Fasteners and Plates	
	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		1.5" - 12"	2.3" - 13"
	Attachment	CF	
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
	Deck	20 – 18 ga., Wide Rib, 72" max span, 33 ksi 22 ga., Wide Rib, 64" max span, 33 ksi 22 – 18 ga., Wide Rib, 72" max span, 80 ksi	

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, Single-Ply LVOC or Single-Ply LVOC 1168

RoofNav #: 200397-0-0 Slope: 1" Uplift: 210 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	DensDeck Prime	Securock
		½" min.	
	Attachment	32 Firestone Heavy-Duty Fasteners and Plates	
	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		1.5" - 24"	2.3" - 13"
	Attachment	CF	
	Vapor Retarder	V-Force and Primer over ¼" DensDeck	
	Deck	20 – 18 ga., Wide Rib, 72" max span, 33 ksi 22 ga., Wide Rib, 64" max span, 33 ksi 22 – 18 ga., Wide Rib, 72" max span, 80 ksi	

255 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.) or RubberGard LS-FR PT (60 mil.)

Attachment: BA-2004, EPDM Solvent Free or Single-Ply LVOC

RoofNav #: 387885-0-0 Slope: 1" Uplift: 255 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	DensDeck Prime	
		½" min.	
	Attachment	32 Firestone Heavy-Duty Fasteners and Plates	
	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		1.5" - 12"	2.3" - 13"
	Attachment	CF	
	Deck	22 – 18 ga., Wide Rib, 72" max span, 80 ksi	

Firestone EPDM – Adhered Membrane – Jet Bond Spay Adhesive
Steel Deck – ISO Insulation (Attached)

60 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464248-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
Slope: ½"		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Uplift: 60 psf	Attachment	10 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
Internal Fire: 1	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
External Fire: A	Deck	22 – 16 ga., 72" max span, 33 ksi			
Hail: SH					

75 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464795-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
Slope: ½"		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Uplift: 75 psf	Attachment	12 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
Internal Fire: 1	Deck	22 – 16 ga., 72" max span, 33 ksi			
External Fire: A					
Hail: SH					

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 465181-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
Slope: ½"		2" - 12"	2" - 12"	2.3" - 13"	2.3" - 13"
Uplift: 75 psf	Attachment	8 Firestone All Purpose Fasteners and Plates			
Internal Fire: 1	Vapor Retarder	V-Force and Primer over ¼" DensDeck			
External Fire: A	Deck	22 – 16 ga., 72" max span, 33 ksi			
Hail: SH					

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 465182-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
Slope: ½"		2" - 12"	2" - 12"	2.3" - 13"	2.3" - 13"
Uplift: 75 psf	Attachment	8 Firestone All Purpose Fasteners and Plates			
Internal Fire: 1	Thermal Barrier	Optional: ¼" DensDeck			
External Fire: A	Deck	22 – 16 ga., 72" max span, 33 ksi			
Hail: SH					

90 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464249-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
Slope: ½"		2" - 12"	2" - 12"	2.3" - 13"	2.3" - 13"
Uplift: 90 psf	Attachment	10 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
Internal Fire: 1	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
External Fire: A	Deck	22 – 16 ga., 72" max span, 33 ksi			
Hail: SH					

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464830-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
Slope: ½"		1.25" - 12"	1.25" - 12"	2.3" - 13"	2.3" - 13"
Uplift: 90 psf	Attachment	12 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
Internal Fire: 1	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
External Fire: A	Deck	22 – 16 ga., 72" max span, 33 ksi			
Hail: SH					

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 465148-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
Slope: ½"		2.2" - 12"	2.2" - 12"	2.3" - 13"	2.3" - 13"
Uplift: 90 psf	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
Internal Fire: 1	Thermal Barrier	Optional: ¼" DensDeck/DensDeck Prime; ⅜" Securock; 2" – 6" TopRock DD; 1" – 5" Roxul			
External Fire: A	Vapor Retarder	Optional: 4-6 mil Poly			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

105 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464483-0-0	Insulation	ISO 95+ GL	ISOGARD GL
Slope: ½"		1.5" - 12"	2.3" - 13"
Uplift: 105 psf	Attachment	20 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
Internal Fire: 1	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
External Fire: A	Deck	22 – 16 ga., 72" max span, 33 ksi	
Hail: SH			

120 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464624-0-0	Insulation	ISO 95+ GL	ISOGARD GL
Slope: ½"		1.5" - 12"	2.3" - 13"
Uplift: 120 psf	Attachment	19 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
Internal Fire: 1	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
External Fire: A	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	
Hail: SH			

135 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464630-0-0	Insulation	ISO 95+ GL	ISOGARD GL
		2" - 12"	2.3" - 13"
Slope: ½"	Attachment	16 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
Uplift: 135 psf	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	
Internal Fire: 1			
External Fire: A			
Hail: SH			

165 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464562-0-0	Insulation	ISO 95+ GL	ISOGARD GL
		1.5" - 12"	2.3" - 13"
Slope: ½"	Attachment	24 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
Uplift: 165 psf	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	
Internal Fire: 1			
External Fire: A			
Hail: SH			

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464568-0-0	Insulation	ISO 95+ GL	ISOGARD GL
		2" - 12"	2.3" - 13"
Slope: ½"	Attachment	20 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
Uplift: 165 psf	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	
Internal Fire: 1			
External Fire: A			
Hail: SH			

225 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464489-0-0	Insulation	ISO 95+ GL	ISOGARD GL
		2" - 12"	2.3" - 13"
Slope: ½"	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
Uplift: 225 psf	Deck	18 ga., Wide Rib, 72" max span, 33 ksi; 20 ga., Wide Rib, 69" max span, 33 ksi; 22 ga., Wide Rib, 62" max span, 33 ksi; 22 – 18 ga., Wide Rib, 72" max span, 80 ksi	
Internal Fire: 1			
External Fire: A			
Hail: SH			

300 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464530-0-0	Insulation	ISO 95+ GL
		2" - 12"
Slope: ½"	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck
Uplift: 300 psf	Deck	22 – 18 ga., Wide Rib, 72" max span, 80 ksi
Internal Fire: 1		
External Fire: A		
Hail: SH		

Steel Deck – ISO Insulation (Adhered) - ISO Insulation (Attached)

60 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464603-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
		1.5" - 8"	1.5" - 8"	2.3" - 13"	2.3" - 13"
Slope: ½"	Attachment	I.S.O. Fix, I.S.O. Spray R, Twin Pack, I.S.O. Stick or Twin Jet			
		12" o.c. bead spacing			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 4"	1.5" - 4"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	12 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
External Fire: A	Deck	22 – 16 ga., 72" max span, 33 ksi			
Hail: SH					

90 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 465140-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
		½" - 9.8"	½" - 9.8"	2.3" - 13"	2.3" - 13"
Slope: ½"	Attachment	I.S.O. Fix, I.S.O. Spray R, Twin Pack, I.S.O. Stick or Twin Jet			
		12" o.c. bead spacing			
Uplift: 90 psf	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
		2" - 12"	2" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
	Vapor Retarder	V-Force and Primer over ¼" DensDeck/DenDeck Prime or ⅜" Securock			
External Fire: A	Deck	22 – 16 ga., 72" max span, 33 ksi			
Hail: SH					

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464743-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
		1.5" - 4"	1.5" - 4"	2.3" - 13"	2.3" - 13"
Slope: ½"	Attachment	I.S.O. Fix, Twin Pack, I.S.O. Stick or Twin Jet			
		12" o.c. bead spacing			
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		2.25" - 12"	2.25" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
		Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
External Fire: A	Vapor Retarder				
Hail: SH	Deck	22 - 16 ga., 72" max span, 33 ksi			

Membrane: LS-FR (45 or 60 mil.), RubberGard LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 465149-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
		½" - 9.8"	½" - 9.8"	2.3" - 13"	2.3" - 13"
Slope: ½"	Attachment	I.S.O. Fix, Twin Pack, I.S.O. Stick or Twin Jet			
		12" o.c. bead spacing			
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		2.2" - 4"	2.2" - 4"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
		Optional: ¼" DensDeck/DensDeck Prime; ⅜" Securock; 2" - 6.3" TopRock DD; 1" - 5" Roxul			
External Fire: A	Vapor Retarder				
Hail: SH	Deck	22 - 16 ga., 72" max span, 33 ksi			

150 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464556-0-0	Insulation	ISO 95+ GL (F)	Resista (F)	ISOGARD GL (F)	ISOGARD CG (F)
		1.5" - 8"	1.5" - 8"	2.3" - 13"	2.3" - 13"
Slope: ½"	Attachment	I.S.O. Twin Pack			
		12" o.c. bead spacing			
Uplift: 150 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 4"	1.5" - 4"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	20 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
		Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
External Fire: A	Vapor Retarder				
Hail: SH	Deck	22 - 16 ga., Wide Rib, 72" max span, 33 ksi			

165 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464847-0-0	Insulation	ISO 95+ GL (F)	ISOGARD GL (F)
		1" - 4"	2.3" - 13"
Slope: ½"	Attachment	I.S.O. Fix, I.S.O. Spray R, Twin Pack, I.S.O. Stick or Twin Jet	
		4" o.c. bead spacing	
Uplift: 165 psf	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		2" - 4"	2.3" - 13"
Internal Fire: 1	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
		Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
External Fire: A	Vapor Retarder		
Hail: SH	Deck	22 - 18 ga., Wide Rib, 72" max span, 33 ksi	

225 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464807-0-0	Insulation	ISO 95+ GL (F)	ISOGARD GL (F)
		1" - 4"	2.3" - 13"
Slope: ½"	Attachment	I.S.O. Fix, Twin Pack, I.S.O. Stick or Twin Jet	
		4" o.c. bead spacing	
Uplift: 225 psf	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		2" - 4"	2.3" - 13"
Internal Fire: 1	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
External Fire: A	Deck	18 ga., Wide Rib, 72" max span, 33 ksi; 20 ga., Wide Rib, 69" max span, 33 ksi; 22 ga., Wide Rib, 62" max span, 33 ksi;	
Hail: SH		22 – 18 ga., Wide Rib, 72" max span, 80 ksi	

255 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464815-0-0	Insulation	ISO 95+ GL (F)	ISOGARD GL (F)
		1" - 4"	2.3" - 13"
Slope: ½"	Attachment	I.S.O. Fix, Twin Pack, I.S.O. Stick or Twin Jet	
		4" o.c. bead spacing	
Uplift: 255 psf	Insulation	ISO 95+ GL (F/T)	ISOGARD GL (F/T)
		2" - 4"	2.3" - 13"
Internal Fire: 1	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
External Fire: A	Deck	22 – 18 ga., Wide Rib, 72" max span, 80 ksi	
Hail: SH			

Steel Deck – ISOGARD HD (Attached) - ISO Insulation (Attached)**90 PSF**

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168

RoofNav #: 285091-0-0	Cover Board	ISOGARD HD			
		½"			
Slope: ¼"	Attachment	12 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
Uplift: 60 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 12"	1.5" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	Common Fastened			
External Fire: A	Deck	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck			
Hail: SH	Deck	22 – 16 ga., 72" max span, 33 ksi			

120 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168

RoofNav #: 288109-0-0	Cover Board	ISOGARD HD	
		½"	
Slope: ¼"	Attachment	24 Firestone Heavy-Duty or All Purpose Fasteners and Plates	
	Insulation	ISO 95+ GL (F/T) 1.5" - 4"	ISOGARD GL (F/T) 2.3" - 13"
Uplift: 120 psf	Attachment	Common Fastened	
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck	
Internal Fire: 1	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi	
External Fire: A			
Hail: SH			

Steel Deck – ISOGARD HD/ISOGARD HD Comp. (Adhered) - ISO Insulation (Attached)

75 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.), MAX, MAX PT, MAX FR

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 319423-0-0 Slope: ¼" Uplift: 75 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	ISOGARD HD ½"			ISOGARD HD Composite 1" – 2.5"	
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
	Insulation	ISO 95+ GL (F/T) 2" - 12"	Resista (F/T) 2" - 12"	ISOGARD GL (F/T) 2.3" - 13"	ISOGARD CG (F/T) 2.3" - 13"	
	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck				
	Deck	22 – 16 ga., 72" max span, 33 ksi				

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 319379-0-0 Slope: ½" Uplift: 75 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	ISOGARD HD ½"			ISOGARD HD Composite 1" – 2.5"	
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
	Insulation	ISO 95+ GL (F/T) 2" - 4"	Resista (F/T) 2" - 4"	ISOGARD GL (F/T) 2.3" - 13"	ISOGARD CG (F/T) 2.3" - 13"	
	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck				
	Deck	22 – 16 ga., 72" max span, 33 ksi				

90 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.), MAX, MAX PT, MAX FR

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 319423-0-0 Slope: ¼" Uplift: 90 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	ISOGARD HD ½"			ISOGARD HD Composite 1" – 2.5"	
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
	Insulation	ISO 95+ GL (F/T) 1.5" - 12"	Resista (F/T) 1.5" - 12"	ISOGARD GL (F/T) 2.3" - 13"	ISOGARD CG (F/T) 2.3" - 13"	
	Attachment	16 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck				
	Deck	22 – 16 ga., 72" max span, 33 ksi				

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 384818-0-0 Slope: ½" Uplift: 90 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	ISOGARD HD ½"			ISOGARD HD Composite 1" – 2.5"	
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
	Insulation	ISO 95+ GL (F/T) 2.2" - 12"	Resista (F/T) 2.2" - 12"	ISOGARD GL (F/T) 2.3" - 13"	ISOGARD CG (F/T) 2.3" - 13"	
	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	V-Force (Primer) over ¼" DensDeck/DenDeck Prime or ⅜" Securock				
	Deck	22 – 16 ga., 72" max span, 33 ksi				

120 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.), MAX, MAX PT, MAX FR

Attachment: Jet Bond Spray Adhesive, BA-2004, SP LVOC BA, WBBA-P

RoofNav #: 320251-0-0 Slope: ¼" Uplift: 120 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	ISOGARD HD			ISOGARD HD Composite				
		½"			1" – 2.5"				
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet			
		4" o.c. beads							
	Insulation	ISO 95+ GL (F/T)		Resista (F/T)		ISOGARD GL (F/T)		ISOGARD CG (F/T)	
		2" - 4"		2" - 4"		2.3" - 13"		2.3" - 13"	
	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates							
Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck								
Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi								

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), MAX, MAX PT, MAX FR

Attachment: Jet Bond Spray Adhesive, BA-2004, SP LVOC BA, WBBA-P

RoofNav #: 320273-0-0	Cover Board	ISOGARD HD			ISOGARD HD Composite		
		1½"			1" – 2.5"		
Slope: ¼"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet	
		12" o.c. beads					
Uplift: 120 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)		ISOGARD GL (F/T)	ISOGARD CG (F/T)	
		2" - 12"	2" - 12"		2.3" - 13"	2.3" - 13"	
Internal Fire: 1	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates					
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck					
External Fire: A	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi					
Hail: SH							

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, SP LVOC BA, WBBA-P

RoofNav #: 320275-0-0 Slope: ½" Uplift: 120 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	ISOGARD HD			ISOGARD HD Composite		
		½"			1" – 2.5"		
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet	
		4" o.c. beads					
	Insulation	ISO 95+ GL (F/T)			ISOGARD GL (F/T)		
		2" - 4"			2.3" - 13"		
	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates					
Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck						
Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi						

165 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 340759-0-0	Cover Board	ISOGARD HD			ISOGARD HD Composite	
		1/2"			1" – 2.5"	
Slope: 1/2"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		6" o.c. beads				
Uplift: 165 psf	Insulation	ISO 95+ GL (F/T)			ISOGARD GL (F/T)	
		(Top) 2" - 4"	Optional: 2"1/2" - 8"		(Top) 2.3" - 13"	Optional: 2.3"1/2" - 13"
Internal Fire: 1	Attachment	20 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	Optional: 4-6 mil Poly				
External Fire: A	Deck	22 – 18 ga., Wide Rib, 72" max span, 33 ksi				
Hail: SH						

180 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.), MAX, MAX PT, MAX FR

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464181-0-0	Cover Board	ISOGARD HD				
		½"				
Slope: ¼"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
Uplift: 180 psf	Insulation	ISO 95+ GL (F/T)			ISOGARD GL (F/T)	
		2" - 4"			2.3" - 13"	
Internal Fire: 1	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck				
External Fire: A	Deck	20 – 18 ga., Wide Rib, 72" max span, 33 ksi; 22 ga., Wide Rib, 69" max span, 33 ksi;				
Hail: SH		22 – 18 ga., Wide Rib, 72" max span, 80 ksi				

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), MAX, MAX PT, MAX FR

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464182-0-0	Cover Board	ISOGARD HD				
		½"				
Slope: ¼"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
Uplift: 180 psf	Insulation	ISO 95+ GL (F/T)			ISOGARD GL (F/T)	
		2" - 12"			2.3" - 13"	
Internal Fire: 1	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck				
External Fire: A	Deck	20 – 18 ga., Wide Rib, 72" max span, 33 ksi;				
Hail: SH		22 ga., Wide Rib, 69" max span, 33 ksi; 22 – 18 ga., Wide Rib, 72" max span, 80 ksi				

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive

RoofNav #: 464184-0-0	Cover Board	ISOGARD HD				
		½"				
Slope: ½"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
Uplift: 180 psf	Insulation	ISO 95+ GL (F/T)			ISOGARD GL (F/T)	
		2" - 12"			2.3" - 13"	
Internal Fire: 1	Attachment	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	Optional: 4-6 mil Poly or V-Force (Primer) over ¼" DensDeck				
External Fire: A	Deck	20 – 18 ga., Wide Rib, 72" max span, 33 ksi;				
Hail: SH		22 ga., Wide Rib, 69" max span, 33 ksi;				
		22 – 18 ga., Wide Rib, 72" max span, 80 ksi				

Steel Deck – ISOGARD HD/ISOGARD HD Comp. (Adhered) – ISO Insulation (Adhered) – ISO Insulation (Attached) 75 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 385736-0-0	Cover Board	ISOGARD HD			ISOGARD HD Composite	
		1/2"			1" – 2.5"	
Slope: 1/2"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
Uplift: 75 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)	
		1/2" – 9.8"	1/2" - 9.8"	2.3" - 13"	2.3" - 13"	
Internal Fire: 1	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
External Fire: A	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)	
		2" - 4"	2" - 4"	2.3" - 13"	2.3" - 13"	
Hail: SH	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
		V-Force (Primer) over 1/4" DensDeck/DensDeck Prime or 3/8" Securock				
	Deck	22 – 16 ga., 72" max span, 33 ksi				

90 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 384816-0-0	Cover Board	ISOGARD HD			ISOGARD HD Composite	
		1/2"			1" – 2.5"	
Slope: 1/2"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)	
		1/2" – 9.8"	1/2" - 9.8"	2.3" - 13"	2.3" - 13"	
Internal Fire: 1	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
External Fire: A	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)	
		2.2" - 4"	2.2" - 4"	2.3" - 13"	2.3" - 13"	
Hail: SH	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
		V-Force (Primer) over 1/4" DensDeck/DensDeck Prime or 3/8" Securock				
	Deck	22 – 16 ga., 72" max span, 33 ksi				

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.), MAX, MAX PT, MAX FR

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 307701-0-0	Cover Board	ISOGARD HD			ISOGARD HD Composite	
		1/2"			1" – 2.5"	
Slope: 1/4"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)	
		1"(F)/1/2"(T) – 4"	1"(F)/1/2"(T) – 4"	2.3" - 13"	2.3" - 13"	
Internal Fire: 1	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
External Fire: A	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)	
		1.5" - 8"	1.5" - 8"	2.3" - 13"	2.3" - 13"	
Hail: SH	Attachment	16 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
		Optional: 4-6 mil Poly or V-Force (Primer) over 1/4" DensDeck				
	Deck	22 – 16 ga., 72" max span, 33 ksi				

210 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.), MAX, MAX PT, MAX FR

Attachment: Jet Bond Spray Adhesive, BA-2004 Ahesive, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 307969-0-0	Cover Board	ISOGARD HD		ISOGARD HD Composite	
		1/2"		1" - 2.5"	
Slope: 1/4"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick
		6" o.c. beads			
Uplift: 210 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" - 4"	1.5" - 4"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick
		6" o.c. beads			
External Fire: A	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		2" - 4"	2" - 4"	2.3" - 13"	2.3" - 13"
Hail: SH	Deck	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
		V-Force (Primer) over 1/4" DensDeck/DensDeck Prime or 3/8" Securock			
		20 - 18 ga., Wide Rib, 72" max span, 33 ksi;			
		22 - 18 ga., Wide Rib, 64" max span, 33 ksi;			
		22 - 18 ga., Wide Rib, 72" max span, 80 ksi			

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 308026-0-0	Cover Board	ISOGARD HD		ISOGARD HD Composite	
		1/2"		1" – 2.5"	
Slope: ½"	Attachment	I.S.O. Spray R			
		6" o.c. beads			
Uplift: 210 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		1.5" – 4"	1.5" -4"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	I.S.O. Spray R			
		6" o.c. beads			
External Fire: A	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		2" - 4"	2" - 4"	2.3" - 13"	2.3" - 13"
Hail: SH	Vapor Retarder	32 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
		V-Force (Primer) over ¼" DensDeck/DensDeck Prime or ⅜" Securock			
Hail: SH	Deck	20 – 18 ga., Wide Rib, 72" max span, 33 ksi;			
		22 ga., Wide Rib, 64" max span, 33 ksi;			
		22 – 18 ga., Wide Rib, 72" max span, 80 ksi			

Steel Deck – Gypsum Cover Board (Adhered) – ISO Insulation (Attached)**75 PSF**

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 385738-0-0	Cover Board	DensDeck Prime		Securock	
		1/4"		1/4"	
Slope: 1/2"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick
		12" o.c. beads			
Uplift: 75 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)	ISOGARD CG (F/T)
		2" - 12"	2" - 12"	2.3" - 13"	2.3" - 13"
Internal Fire: 1	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates			
		V-Force (Primer) over 1/4" DensDeck/DensDeck Prime or 3/8" Securock			
External Fire: A	Deck	22 - 16 ga., 72" max span, 33 ksi			

90 PSF

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 384818-0-0 Slope: ½" Uplift: 90 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	DensDeck Prime			Securock	
		¼"			¼"	
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)		ISOGARD CG (F/T)
		2.2" - 12"	2.2" - 12"	2.3" - 13"		2.3" - 13"
	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
		Vapor Retarder	V-Force (Primer) over ¼" DensDeck/DensDeck Prime or ⅝" Securock			
Deck	22 – 16 ga., 72" max span, 33 ksi					

Steel Deck – Gypsum Cover Board (Adhered) – ISO Insulation (Adhered) – ISO Insulation (Attached)**75 PSF**

Membrane: LS-FR (45 or 60 mil.), LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 385736-0-0 Slope: ½" Uplift: 75 psf Internal Fire: 1 External Fire: A Hail: SH	Cover Board	DensDeck Prime			Securock	
		¼"			¼"	
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)		ISOGARD CG (F/T)
		½" - 9.8"	½" -9.8"	2.3" - 13"		2.3" - 13"
	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)		ISOGARD CG (F/T)
		2" - 4"	2" - 4"	2.3" - 13"		2.3" - 13"
Attachment						8 Firestone Heavy-Duty or All Purpose Fasteners and Plates
Vapor Retarder						V-Force (Primer) over ¼" DensDeck/DensDeck Prime or ⅝" Securock
Deck						22 – 16 ga., 72" max span, 33 ksi

90 PSF

Membrane: Firestone RubberGard LS-FR (45 or 60 mil.), RubberGard LS-FR PT (60 mil.), Platinum (90 mil.) or Platinum PT (90 mil.)

Attachment: Jet Bond Spray Adhesive, BA-2004 Bonding Adhesive, EPDM SFBA, SP LVOC BA, SP LVOC BA-1168, WBBA-P

RoofNav #: 384816-0-0	Cover Board	DensDeck Prime			Securock	
		¼"			¼"	
Slope: ½"	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
Uplift: 90 psf	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)		ISOGARD CG (F/T)
		½" - 9.8"	½" -9.8"	2.3" - 13"		2.3" - 13"
Internal Fire: 1	Attachment	I.S.O. Fix II	I.S.O. Spray R	I.S.O. Twin Pack	I.S.O. Stick	Twin Jet
		12" o.c. beads				
External Fire: A	Insulation	ISO 95+ GL (F/T)	Resista (F/T)	ISOGARD GL (F/T)		ISOGARD CG (F/T)
		2.2" - 4"	2.2" - 4"	2.3" - 13"		2.3" - 13"
Hail: SH	Attachment	8 Firestone Heavy-Duty or All Purpose Fasteners and Plates				
	Vapor Retarder	V-Force (Primer) over ¼" DensDeck/DensDeck Prime or ⅝" Securock				
	Deck	22 – 16 ga., 72" max span, 33 ksi				

FM RoofNav Assemblies

Firestone EPDM – LS-FR - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-75 IF: NC EF: A Slope: 1/2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self-Adhered)	Adhered at 12" o.c.: ISO Spray R	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	371174-0-0
					EPDM SFBA	384176-0-0
1-75 IF: NC EF: A Slope: 1/4"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> 1/2", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self-Adhered)	Adhered at 12" o.c.: ISO Spray R	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	371151-0-0
1-90 IF: NC EF: A Slope: 1/2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self-Adhered)	Adhered at 12" o.c.: ISO Spray R	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	370560-0-0
					EPDM SFBA	384154-0-0
1-255 IF: NC EF: A Slope: 1/2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> .438"-.5" APA Rated OSB <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Spray R	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168	308435-0-0
1-315 IF: NC EF: A Slope: 1/2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	102219-0-0

Continued:

FM RoofNav Assemblies

Firestone EPDM – LS-FR - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-330 IF: NC EF: A Slope: 1"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼" min, 4'x4' boards, DensDeck/Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Cover Board and Insulation: Adhered at 20-25 lb/sq. Hot Asphalt Primed Deck: Concrete Primer, Asphaltic Permeable	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	47789-0-0
1-465 IF: NC EF: A Slope: 1"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> ¼" min, 4'x4' boards, DensDeck/Securock	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	100971-0-0
1-465 IF: NC EF: A Slope: 1"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼" min, 4'x4' boards, DensDeck/DensDeck Prime/ Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet <u>Primed Deck:</u> Concrete Primer, Asphaltic Permeable	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC	228430-0-0
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	297178-0-0
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 SFBA Single-Ply LVOC WBBA-P	298272-0-0

Continued:

FM RoofNav Assemblies

Firestone EPDM – LS-FR - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards DensDeck DensDeck Prime Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC	297159-0-0
1-540 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet Primed Deck: Concrete Primer, Asphaltic Permeable	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC	228465-0-0
1-555 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards ISOGARD HD 1"-2.5", 4'x4' boards ISOGARD HD Composite <u>Insulation:</u> 1"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Spray R	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	308236-0-0
1-675 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC	296334-0-0

Continued:

FM RoofNav Assemblies

Firestone EPDM – LS-FR - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-690 IF: NC EF: A Slope: 1"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Full Spray.: ISO Spray R 1.04 gal/square	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC	135774-0-0
1-780 IF: NC EF: A Slope: ½"		<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Full Spray.: ISO Spray R 1.04 gal/square	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	62382-0-0

Firestone EPDM LS-FR - Fully Adhered Uplift Ratings

Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ½"	Gypsum	<u>Insulation:</u> ¼", 4'x4' boards DensDeck Securock	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	100864-0-0
1-90 IF: 1 EF: A Slope: 1"	Gypsum	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck Securock <u>Insulation (Top Layer):</u> 1.5"-8" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Insulation (Bottom Layer):</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	100861-0-0

Continued:

Firestone EPDM LS-FR - Fully Adhered Uplift Ratings

Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ¼"	Gypsum	<u>Cover Board:</u> ½", 4'x4' boards ISOGARD HD 1"-2.5", 4'x4' boards ISOGARD HD <u>Insulation:</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	262899-0-0
1-90 IF: 1 EF: A Slope: ½"	Gypsum	<u>Cover Board:</u> ½", 4'x4' boards ISOGARD HD 1"-8", 4'x4' boards ISOGARD HD <u>Insulation:</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO FIX II ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	420488-0-0

Firestone EPDM – MAX/MAX FR - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-75 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards, ISOGARD HD 1"-2.5", 4x4 boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self-Adhered)	Adhered at 12" o.c.: ISO Spray R	.045 mil. min. RubberGard MAX RubberGard MAX FR RubberGard MAX PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	371151-0-0
1-255 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> .438"-.5" APA Rated OSB <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA*	Adhered at 12" o.c.: ISO Spray R	.045 mil. min. RubberGard MAX RubberGard MAX PT	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168	308435-0-0

Continued:

Firestone EPDM – MAX/MAX FR - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-315 IF: NC EF: A Slope: 1/4"	Concrete Min. 2,500 psi	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard MAX RubberGard MAX PT	BA-2004 Single-Ply LVOC	94602-0-0
1-315 IF: NC EF: A Slope: 2.5"	Min. 2" thick			.045 mil. min. RubberGard MAX FR	Single-Ply LVOC 1168	107603-0-0
1-330 IF: NC EF: A Slope: 1/2"	Concrete	<u>Cover Board:</u> 1/4", 4'x4' boards DensDeck Securock	Cover Board and Insulation: Adhered at 20-25 lb/sq. Hot Asphalt Primed Deck:	.045 mil. min. RubberGard MAX RubberGard MAX PT	BA-2004 Single-Ply LVOC	47786-0-0
1-330 IF: NC EF: A Slope: 4"	Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Concrete Primer, Asphaltic Permeable	.045 mil. min. RubberGard MAX FR	Single-Ply LVOC 1168	47802-0-0
1-465 IF: NC EF: A Slope: 1/2"	Concrete	<u>Cover Board:</u> 1/4", 4'x4' boards DensDeck DensDeck Prime Securock	Adhered at 12" o.c.: ISO Stick/Twin Jet	.045 mil. min. RubberGard MAX RubberGard MAX PT	BA-2004 Single-Ply LVOC	228424-0-0
1-465 IF: NC EF: A Slope: 4"	Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Concrete Primer, Asphaltic Permeable	.045 mil. min. RubberGard MAX FR		228439-0-0
1-465 IF: NC EF: A Slope: 1/2"	Concrete	<u>Insulation:</u> 1/4", 4'x4' boards DensDeck Securock	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard MAX RubberGard MAX PT	BA-2004 Single-Ply LVOC	99842-0-0
1-465 IF: NC EF: A Slope: 4"	Min. 2,500 psi Min. 2" thick			.045 mil. min. RubberGard MAX FR	Single-Ply LVOC 1168	110624-0-0
1-495 IF: NC EF: A Slope: 1/2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> .438"-.5" APA Rated OSB <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet Concrete Primer, Asphaltic Permeable	.045 mil. min. RubberGard MAX FR	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168	228350-0-0

Continued:

Firestone EPDM – MAX/MAX FR - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-525 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard MAX RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	297177-0-0
1-525 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard MAX RubberGard MAX PT	BA-2004 SFBA Single-Ply LVOC WBBA-P	298271-0-0
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards DensDeck DensDeck Prime Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC	297159-0-0

Continued:

Firestone EPDM – MAX/MAX FR - Fully Adhered Uplift Ratings
Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-540 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet Concrete Primer, Asphaltic Permeable	.045 mil. min. RubberGard MAX	BA-2004 Single-Ply LVOC	228463-0-0
1-540 IF: NC EF: A Slope: 2.5"				.045 mil. RubberGard MAX PT .045 mil. min. RubberGard MAX FR		228469-0-0
1-555 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE	Adhered at 12" o.c.: ISO Spray R	.045 mil. min. RubberGard MAX	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	308235-0-0
1-555 IF: NC EF: A Slope: 2.5"		<u>Insulation:</u> 1"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA		.045 mil. min. RubberGard MAX FR		308241-0-0
1-675 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC	296332-0-0
1-690 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck Securock	Full Spray: ISO Spray R 1.04 gal/square Concrete Primer, Asphaltic Permeable	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC	135965-0-0
1-690 IF: NC EF: A Slope: 2.5"		<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)		.045 mil. min. RubberGard MAX FR		135957-0-0

Continued:

Firestone EPDM – MAX/MAX FR - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-780 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISOGARD ISO 95+ GL (Taper)	Full Spray: ISO Spray R 1.04 gal/square	.045 mil. min. RubberGard MAX	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	59191-0-0
1-780 IF: NC EF: A Slope: 2.5"				.045 mil. RubberGard MAX PT		62452-0-0
				.045 mil. min. RubberGard MAX FR		

Firestone RubberGard EPDM MAX/MAX FR - Fully Adhered Uplift Ratings

Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ½"	Gypsum	<u>Insulation:</u> ¼", 4'x4' boards DensDeck Securock	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	99650-0-0
1-90 IF: 1 EF: A Slope: 4"	Gypsum	<u>Insulation:</u> ¼", 4'x4' boards DensDeck Securock	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	110330-0-0
1-90 IF: 1 EF: A Slope: ½"	Gypsum	<u>Cover Board:</u> ½", 4'x4' boards DensDeck Securock <u>Insulation (Top Layer):</u> 1.5"-8" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Insulation (Bottom Layer):</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	99640-0-0

Continued:

Firestone RubberGard EPDM MAX/MAX FR - Fully Adhered Uplift Ratings

Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 4"	Gypsum	<u>Cover Board:</u> ½", 4'x4' boards DensDeck Securock <u>Insulation (Top Layer):</u> 1.5"-8" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Insulation (Bottom Layer):</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack	.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	110304-0-0
1-90 IF: 1 EF: A Slope: ¼"	Gypsum	<u>Cover Board:</u> ½", 4'x4' boards ISOGARD HD 1"-2.5", 4'x4' boards ISOGARD HD Composite <u>Insulation:</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack ISO Stick/Twin Jet	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT .045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	262899-0-0

Firestone EPDM – Platinum - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-75 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self Adhered)	Adhered at 12" o.c.: ISO Spray R	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P SFBA	371174-0-0 384176-0-0

Continued:

Firestone EPDM – Platinum - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-75 IF: NC EF: A Slope: 1/4"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> 1/2", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) Resista <u>Vapor Barrier:</u> V-Force (Self Adhered)	Adhered at 12" o.c.: ISO Spray R	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	371151-0-0
1-90 IF: NC EF: A Slope: 1/2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self-Adhered)	Adhered at 12" o.c.: ISO Spray R	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P SFBA	370560-0-0 384154-0-0
1-255 IF: NC EF: A Slope: 1/2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> .438"-.5" APA Rated OSB <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Spray R	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168	308435-0-0
1-315 IF: NC EF: A Slope: 1/2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Twin Pack	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	102219-0-0
1-465 IF: NC EF: A Slope: 2"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> 1/2", 4'x4' boards DensDeck DensDeck Prime Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet Primed Deck: Concrete Primer, Asphaltic Permeable	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC	228432-0-0

Continued:

Firestone EPDM – Platinum - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-465 IF: NC EF: A Slope: 3"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> ½", 4'x4' boards DensDeck Securock	Adhered at 12" o.c.: ISO Twin Pack	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	127083-0-0
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	297178-0-0
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 SFBA Single-Ply LVOC WBBA-P	298272-0-0
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards DensDeck DensDeck Prime Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC	297159-0-0

Continued:

Firestone EPDM – Platinum - Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

1-540 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet Primed Deck: Concrete Primer, Asphaltic Permeable	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC	228465-0-0
1-555 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards ISOGARD HD 1"-2.5", 4'x4' boards ISOGARD HD Composite <u>Insulation:</u> 1"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Spray R	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	308236-0-0
1-675 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC	296334-0-0
1-690 IF: NC EF: A Slope: 3"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Full Spray.: ISO Spray R 1.04 gal/square	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC	126897-0-0
1-690 IF: NC EF: A Slope: 1"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Full Spray: ISO Spray R 1.04 gal/square	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC	62382-0-0

Firestone EPDM – Platinum - Fully Adhered Uplift Ratings

Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 3"	Gypsum	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck Securock	Adhered at 12" o.c.: ISO Twin Pack	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	127015-0-0
1-90 IF: 1 EF: A Slope: 3"	Gypsum	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck Securock <u>Insulation (Top Layer):</u> 1.5"-8" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Insulation (Bottom Layer):</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	127014-0-0
1-90 IF: 1 EF: A Slope: ¼"	Gypsum	<u>Cover Board:</u> ½", 4'x4' boards ISOGARD HD 1"-2.5", 4'x4' boards ISOGARD HD Composite <u>Insulation:</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack ISO Stick/Twin Jet	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	262899-0-0
1-90 IF: 1 EF: A Slope: ½"	Gypsum	<u>Cover Board:</u> ½", 4'x4' boards ISOGARD HD 1"-8", 4'x4' boards ISOGARD HD Composite <u>Insulation:</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO FIX II ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	420488-0-0

Firestone EcoWhite EPDM – Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-450 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 4'x4' boards (Top) ½" - 4" thick Taper Taper or Flat ISO 95+ GL (2 nd) 1.5"-4" thick (3 rd) 1.5"-4" thick (Bottom) 1.5"-36" thick <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.060 RubberGard EcoWhite	Single-Ply LVOC 1168	306708-0-0
1-465 IF: NC EF: A Slope: 1.5"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck, DensDeck Prime Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC	231125-0-0
1-495 IF: NC EF: A Slope: 1"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> .438"-.5" APA Rated OSB <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet	.060 RubberGard EcoWhite	BA-2004 EPDM - SFBA Single-Ply LVOC Single-Ply LVOC 1168	231121-0-0
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	297191-0-0

Continued:

Firestone EcoWhite EPDM – Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-525 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.060 RubberGard EcoWhite	BA-2004 SFBA Single-Ply LVOC WBBA-P	298280-0-0
1-525 IF: NC EF: A Slope: 1.5"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼", 4'x4' boards DensDeck, DensDeck Prime Securock <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC	297197-0-0
1-540 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' ISO 95+ GL ISO 95+ GL (Taper)	Adhered at 12" o.c.: ISO Stick/Twin Jet	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC	231127-0-0
1-555 IF: NC EF: A Slope: ½"	Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", 4'x4' boards, ISOGARD HD 1"-2.5", 4'x4' boards, ISOGARD HD COMPOSITE <u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Spray R	.060 RubberGard EcoWhite	BA-2004 EPDM - SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	308243-0-0

Continued:

Firestone EcoWhite EPDM – Fully Adhered Uplift Ratings

Concrete Deck - V-Force Vapor Barrier System – Adhered Insulation – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-675 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 1.5"-36" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Primer (permeable):</u> SA-LVOC SA-SB V-Force SB	Adhered at 12" o.c.: ISO Spray R ISO Twin Pack ISO Stick/Twin Jet	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC	296358-0-0

Firestone – Fully RubberGard EcoWhite Adhered Uplift Ratings

Re-Cover Construction – Treated Wood Deck – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ½"	Treated Wood	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation:</u> 1.5"-12" ISO 95+ GL <u>Thermal Barrier:</u> ¼" min. DensDeck or DensDeck Prime	<u>Cover Board:</u> 12 All-Purpose or Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> CF <u>Thermal Barrier:</u> CF	.060 mil. min. RubberGard EcoWhite	BA-2004 Single-Ply LVOC	398080-0-0

Firestone EcoWhite EPDM - Fully Adhered Uplift Ratings

Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 1.5"	Gypsum	<u>Insulation:</u> ¼", 4'x4' boards DensDeck DensDeck Prime Securock	Adhered at 12" o.c.: ISO Twin Pack	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC	256108-0-0
1-90 IF: 1 EF: A Slope: ½"	Gypsum	<u>Insulation:</u> ½", 4'x4' boards ISOGARD HD	Adhered at 12" o.c.: ISO Twin Pack	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	256002-0-0
1-90 IF: 1 EF: A Slope: 1.5"	Gypsum	<u>Insulation:</u> ¼", 4'x4' boards DensDeck DensDeck Prime Securock	Adhered at 12" o.c.: ISO Twin Pack	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC	256108-0-0

Continued:

Firestone EcoWhite EPDM - Fully Adhered Uplift Ratings

Re-Roof Construction - Gypsum Deck – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ½"	Gypsum	<u>Cover Board:</u> ½", 4'x4' boards ISOGARD HD 1"-2.5", 4'x4' boards ISOGARD HD <u>Insulation (Top Layer):</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Insulation (Bottom Layer):</u> 1.5"-8" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack ISO Stick/Twin Jet	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	262840-0-0
1-90 IF: 1 EF: A Slope: ½"	Gypsum	<u>Insulation (Top Layer):</u> 1.5"-4" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Insulation (Bottom Layer):</u> 1.5"-8" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Adhered at 12" o.c.: ISO Twin Pack ISO Stick/Twin Jet	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	262871-0-0

Firestone EPDM – LS-FR - Fully Adhered Uplift Ratings

Concrete Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Insulation:</u> 2"-12" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA Vapor Barrier (Optional): V-Force (Self-Adhered) Primer SBS Torch	<u>Insulation:</u> 8 Heavy-Duty or Concrete Drive Fasteners/Plates per 4'x8' board	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	32595-0-0

Firestone RubberGard EPDM LS-FR/Self-Adhered (SA)– Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 10 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	32579-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 12 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	32578-0-0
1-120 IF: 1 EF: A Slope: ½"	Steel 18-22 ga Wide Rib 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 19 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	234811-0-0
1-165 IF: 1 EF: A Slope: ½"	Steel 18-22 ga Wide Rib 33 ksi 72"x8' span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 24 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC 1168	232549-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 8 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	32581-0-0
1-165 IF: 1 EF: A Slope: ½"	Steel 18-22 ga Wide Rib 33 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 20 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	232557-0-0

Continued:

Firestone RubberGard EPDM LS-FR/Self-Adhered (SA)– Fully Adhered Uplift Ratings

Steel Deck, New Construction – Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-225 IF: 1 EF: A Slope: ½"	Steel 22 ga Wide Rib 33 ksi 62" span 18-22 ga Wide Rib 80 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 32 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	228247-0-0
1-90 IF: 1 EF: A Slope: 1"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5" -12", 4'x4' boards ISO 95+ GL Resista Tapered Available <u>Vapor Barrier:</u> V-Force (Self-Adhered) <u>Thermal Barrier:</u> 1/4" DensDeck	<u>Insulation:</u> 12" o.c. Beads ISO Spray R, ISO Twin Pack ISO Stick <u>Vapor Barrier:</u> Self-Adhered w/ Primer <u>Thermal Barrier:</u> 8 Heavy-Duty Fasteners/Plates per 4'x8' board	<u>Coating:</u> AcryliTop PC-100 <u>Membrane:</u> .045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	293919-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 12 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168	285091-0-0
1-90 IF: 1 EF: A Slope: 1"	Steel 16-22 ga 33 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck, Securock <u>Insulation (Optional):</u> 1.5" -12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	34485-0-0

Continued:

Firestone RubberGard EPDM LS-FR/Self-Adhered (SA)– Fully Adhered Uplift Ratings

Steel Deck, New Construction – Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-150 IF: 1 EF: A Slope: 1"	Steel 18-22 ga Wide Rib 33 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck, Securock <u>Insulation (Optional):</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 24 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT .045 mil. RubberGard EPDM SA	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 Self-Adhered	200396-0-0
1-210 IF: 1 EF: A Slope: 1"	Steel-WR 18-20 ga 33 ksi 72" span 22 ga 33 ksi 64" span 18-22 ga 80 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck, Securock <u>Insulation (Optional):</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 32 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT .045 mil. RubberGard EPDM SA	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 Self-Adhered	200397-0-0
1-90 IF: 1 EF: A Slope: 1"	Steel 18-20 ga 33 ksi 72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil. Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 13 HD HAILGARD Fasteners per 4'x8' board	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT .045 mil. RubberGard EPDM SA	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168 Self-Adhered	136340-0-0
1-150 IF: 1 EF: A Slope: 1"	Steel - WR 18-22 ga 33 ksi 72" span	<u>Cover Board:</u> 2"-4" HAILGARD <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT .045 mil. RubberGard EPDM SA	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 Self-Adhered	286011-0-0
1-300 IF: 1 EF: A Slope: 1"	Steel - WR 18ga/33ksi/7 0" span 20ga/33ksi/6 0" span 22ga/33ksi/5 4" span 22-18ga/80ksi/7 2" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004	213482-0-0

Continued:

Firestone RubberGard EPDM LS-FR/Self-Adhered (SA)– Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 1"	Steel 22-16 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT .045 mil RubberGard EPDM SA	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P Self-Adhered	34524-0-0
1-150 IF: 1 EF: A Slope: 1"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT .045 mil RubberGard EPDM SA	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 Self-Adhered	77824-0-0
1-300 IF: 1 EF: A Slope: 1"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-18ga/80ksi/72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT .045 mil RubberGard EPDM SA	BA-2004 Single-Ply LVOC 1168 Self-Adhered	213475-0-0

Firestone RubberGard EPDM LS-FR/Self-Adhered – Fully Adhered Uplift Ratings

Re-Roof Construction –

Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-75 IF: 1 EF: A Slope: ½"	Steel 33 KSI Insulation: LWIC	<u>Insulation:</u> 2"-12" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	<u>Insulation:</u> 8 Heavy-Duty or Concrete Drive Fasteners/Plates per 4'x8' board	.045 mil min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	213740-0-0

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: ¼"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 10 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	3027-0-0
1-60 IF: 1 EF: A Slope: 2.5"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 10 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	32791-0-0
1-90 IF: 1 EF: A Slope: ¼"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Insulation:</u> 12 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	3008-0-0
1-90 IF: 1 EF: A Slope: 2.5"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Insulation:</u> 12 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	32790-0-0
1-120 IF: 1 EF: A Slope: ¼"	Steel 22-18 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Insulation:</u> 19 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	234809-00

Continued:

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-165 IF: 1 EF: A Slope: ¼"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Insulation:</u> 24 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX	BA-2004 Single-Ply LVOC 1168	232547-0-0
C1-165 IF: 1 EF: A Slope: 2.5"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Insulation:</u> 24 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX FR	BA-2004 Single-Ply LVOC 1168	232554-0-0
1-90 IF: 1 EF: A Slope: ¼"	Steel - WR 22-16 ga 33 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Insulation:</u> 8 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX .045 mil RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	3029-0-0
1-165 IF: 1 EF: A Slope: ¼"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Insulation:</u> 20 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX	BA-2004 Single-Ply LVOC 1168	232555-0-0
1-225 IF: 1 EF: A Slope: ¼"	Steel - WR 18ga/33ksi/72" span 20ga/33ksi/69" span 22ga/33ksi/62" span 22-18ga/80ksi/72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX .045 mil RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	228245-0-0
1-90 IF: 1 EF: A Slope: ¼"	Steel 22-16 ga 33 ksi 72" span	<u>Cover Board:</u> 1", ISOGARD HD <u>Insulation:</u> 1.5"-4" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Cover Board:</u> 18 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	288355-0-0

Continued:

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ½"	Steel 22-16 ga 33 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck Securock <u>Insulation (Optional):</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	33154-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 22-16 ga 33 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck, Securock <u>Insulation (Optional):</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	33154-0-0
1-150 IF: 1 EF: A Slope: ½"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck, Securock <u>Insulation (Optional):</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 24 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	200399-0-0
1-210 IF: 1 EF: A Slope: ½"	Steel - WR 20-18ga/33ksi/72" span 22ga/33ksi/64"span 22-18ga/80ksi/72" span	<u>Cover Board:</u> ½" min. DensDeck, Securock <u>Insulation (Optional):</u> 2"-4" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	200400-0-0

Continued:

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ½"	Steel 22-18 ga 33 ksi 72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 13 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168	136339-0-0
1-150 IF: 1 EF: A Slope: ½"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Cover Board:</u> 2"-4" HAILGARD <u>Insulation (Optional):</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	286010-0-0
1-300 IF: 1 EF: A Slope: ½"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-18ga/80ksi/72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004	213481-0-0
1-150 IF: 1 EF: A Slope: 4"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Cover Board:</u> 2"-4" HAILGARD <u>Insulation (Optional):</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	286016-0-0
1-300 IF: 1 EF: A Slope: 4"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-18ga/80ksi/72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX FR	BA-2004	213490-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 22-16 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438", Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) ISO 95+ GL CG <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 EPDM SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	33694-0-0

Continued:

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-150 IF: 1 EF: A Slope: ½"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438", Max. 0.50" <u>Insulation:</u> 1.5"-12" ISOGARD ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	77820-0-0
1-150 IF: 1 EF: A Slope: 4"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438", Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	83398-0-0
1-300 IF: 1 EF: A Slope: ½"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-18ga/80ksi/72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438", Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC 1168	213470-0-0
1-300 IF: 1 EF: A Slope: 4"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-18ga/80ksi/72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC 1168	213479-0-0

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings

Re-Roof Construction –

Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-75 IF: 1 EF: A Slope: ¼"	Steel 33 ksi	<u>Insulation:</u> 1"-8" ISO 95+ GL ISO 95+ GL (Taper) RESISTA	<u>Insulation:</u> 12 Heavy-Duty Fasteners/Plates per 4'x8' board	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	213739-0-0
1-75 IF: 1 EF: A Slope: 2.5"	Insulation: LWIC			.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	213743-0-0
1-90 IF: 1 EF: A Slope: ¼"	Steel 33 ksi	<u>Insulation:</u> 1" ISO 95+ GL ISO 95+ GL (Taper) RESISTA	<u>Insulation:</u> 16 Heavy-Duty Fasteners/Plates per 4'x8' board	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	310170-0-0
1-90 IF: 1 EF: A Slope: 2.5"				.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	310192-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 33 ksi	<u>Cover Board:</u> ½" min. Securock <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 8 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	372669-0-0
1-90 IF: 1 EF: A Slope: 4"				.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	372675-0-0

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings

Re-Cover Construction –

Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ¼"	Steel 33 ksi	<u>Cover Board:</u> ½", ISO GARD HD <u>Insulation:</u> ½" ISO 95+ GL RESISTA	<u>Cover Board:</u> 12 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT .045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	233351-0-0
1-90 IF: 1 EF: A Slope: 1.5"	Steel 33 ksi	<u>Cover Board:</u> ½"-1" Structodek HD Fiberboard <u>Insulation:</u> ½" -1.5" ISO 95+ GL (Taper) RESISTA	<u>Cover Board:</u> 16 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT .045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	45188-0-0

Continued:

Firestone RubberGard EPDM MAX/MAX FR – Fully Adhered Uplift Ratings

Re-Cover Construction –

Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane

1-120 IF: 1 EF: A Slope: ¼"	Steel 33 ksi	<u>Cover Board:</u> ½", ISOGARD HD	<u>Cover Board:</u> 24 Heavy-Duty Fasteners/Plates per 4'x8' board	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT .045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	288115-0-0
1-120 IF: 1 EF: A Slope: 2.5"				.045 mil. min. RubberGard MAX FR	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	288149-0-0

Firestone RubberGard EPDM MAX/MAX FR - Fully Adhered Uplift Ratings

Concrete Deck – Mechanically Attached Insulation – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-75 IF: 1 EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> 4'x4' boards ½", ISOGARD HD 1"-2.5", ISOGARD HD Composite <u>Insulation:</u> 2"-4" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> V-Force (Self-Adhered) SBS Torch	<u>Cover Board:</u> Adhered at 12" o.c. beads ISO Fix ISO Spray R ISO Twin Pack ISO Stick/Twin Jet <u>Insulation:</u> 8 Concrete Drive or Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> V-Force (Self-Adhered) w/ Primer Torched	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 EPDM SFBA Single-Ply LVOC	319374-0-0
1-75 IF: 1 EF: A Slope: 2.5"				.045 mil. min. RubberGard MAX FR	Single-Ply LVOC 1168 WBBA-P	319397-0-0
1-90 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> 4'x4' boards ½", ISOGARD HD 1"-2.5", ISOGARD HD Composite <u>Insulation:</u> 1.5"-4" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> V-Force (Self-Adhered) SBS Torch	<u>Cover Board:</u> Adhered at 12" o.c. beads ISO Spray R <u>Insulation:</u> 16 Concrete Drive or Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> V-Force (Self-Adhered) w/ Primer Torched	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 EPDM SFBA Single-Ply LVOC	307728-0-0
1-90 IF: NC EF: A Slope: 2.5"				.045 mil. min. RubberGard MAX FR	Single-Ply LVOC 1168 WBBA-P	307735-0-0

Continued:

Firestone RubberGard EPDM MAX/MAX FR - Fully Adhered Uplift Ratings

Concrete Deck – Mechanically Attached Insulation – Adhered Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> 4'x4' boards ½", ISOGARD HD 1"-2.5", ISOGARD HD Composite <u>2 Layers Insulation:</u> 1.5"-4" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> V-Force (Self-Adhered) SBS Torch	<u>Cover Board:</u> Adhered at 12" o.c. beads ISO Spray R <u>Insulation:</u> 16 Concrete Drive or Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> V-Force (Self-Adhered) w/ Primer Torched	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 EPDM SFBA Single-Ply LVOC	307740-0-0
1-90 IF: NC EF: A Slope: 2.5"				.045 mil. min. RubberGard MAX FR	Single-Ply LVOC 1168 WBBA-P	307752-0-0
1-120 IF: NC EF: A Slope: ½"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½" min. 4'x4' boards DensDeck Prime Securock <u>Insulation:</u> 2"-4" ISO 95+ GL ISO 95+ GL (Taper) <u>Insulation (Optional):</u> 2"-8", ISO 95+ GL ½"-8" ISO 95+ GL (Taper) ½"-8" RESISTA (Taper) <u>Vapor Retarder</u> (Optional): 4 or 6 mil Poly.	<u>Cover Board:</u> Adhered at 6" o.c. beads ISO Fix II ISO Twin Pack ISO Stick/Twin Jet <u>Insulation:</u> 20 Concrete Drive or Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation (Optional):</u> Loose Laid <u>Vapor Retarder Optional):</u> Loose Laid	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 EPDM SFBA Single-Ply LVOC	340791-0-0
1-120 IF: NC EF: A Slope: 4"				.045 mil. min. RubberGard MAX FR	Single-Ply LVOC 1168	340797-0-0
1-120 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> 4'x4' boards ½" ISOGARD HD 1"-2.5", ISOGARD HD Composite <u>2 Layers Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> V-Force (Self-Adhered) SBS Torch	<u>Cover Board:</u> Adhered at 4" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick/Twin Jet <u>Insulation:</u> 32 Concrete Drive or Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> V-Force (Self-Adhered) w/ Primer Torched	.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 EPDM SFBA Single-Ply LVOC WBBA-P	320253-0-0
1-120 IF: NC EF: A Slope: 2.5"				.045 mil. min. RubberGard MAX FR		320259-0-0

Firestone RubberGard EPDM Platinum – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISOGARD ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 10 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	32579-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 12 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	32578-0-0
1-120 IF: 1 EF: A Slope: ½"	Steel 18-22 ga Wide Rib 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 19 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	234811-0-0
1-165 IF: 1 EF: A Slope: ½"	Steel 18-22 ga Wide Rib 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 24 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC 1168	232549-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 8 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	32581-0-0
1-165 IF: 1 EF: A Slope: ½"	Steel 18-22 ga Wide Rib 33 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 20 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	232557-0-0

Continued:

Firestone RubberGard EPDM Platinum – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-225 IF: 1 EF: A Slope: ½"	Steel 22 ga Wide Rib 33 ksi 62" span 18-22 ga Wide Rib 80 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 32 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	228247-0-0
1-90 IF: 1 EF: A Slope: 3"	Steel 16-22 ga 33 ksi 72" span	<u>Cover Board:</u> ½" DensDeck or Securock <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	126884-0-0
1-90 IF: 1 EF: A Slope: 3"	Steel 16-22 ga 33 ksi 72" span	<u>Cover Board:</u> ¼" DensDeck Prime; ½" Securock <u>Insulation:</u> 1"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly.; V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 12 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply, EPDM SFBA, SPLVOC, SPLVOC 1168, WBBA-P	265585-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 12 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168	285091-0-0
1-150 IF: 1 EF: A Slope: 3"	Steel - WR 18-22 ga 33 ksi 72" span	<u>Cover Board:</u> ½" DensDeck or Securock <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Cover Board:</u> 24 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	200406-0-0

Continued:

Firestone RubberGard EPDM Platinum – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-210 IF: 1 EF: A Slope: 3"	Steel - WR 20-18ga/33ksi/72" span 22ga/33ksi/64" span 22-18ga/80ksi/72" span	<u>Cover Board:</u> ½" DensDeck or Securock <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered)	<u>Cover Board:</u> 32 Heavy-Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	200407-0-0
1-90 IF: 1 EF: A Slope: 2"	Steel 18-20 ga 33 ksi 72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 13 HD HAILGARD Fasteners per 4'x8' board	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168	136343-0-0
1-150 IF: 1 EF: A Slope: 2"	Steel - WR 18-22 ga 33 ksi 72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	286014-0-0
1-300 IF: 1 EF: A Slope: 1"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-8ga/80ksi/72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004	213482-0-0
1-90 IF: 1 EF: A Slope: 2"	Steel 16-22 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" - Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	127565-0-0

Continued:

Firestone RubberGard EPDM Platinum – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-150 IF: 1 EF: A Slope: 2"	Steel - WR 18-22 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" - Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	127571-0-0
1-300 IF: 1 EF: A Slope: ½"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-18ga/80ksi/72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" - Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC 1168	213471-0-0

Firestone RubberGard EPDM Platinum – Fully Adhered Uplift Ratings

Re-Roof Construction –

Steel Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-75 IF: 1 EF: A Slope: ½"	Steel 33 KSI Insulation: LWIC	<u>Insulation:</u> 2"-12" thick, 4'x4' boards ISO 95+ GL ISO 95+ GL (Taper) RESISTA	<u>Insulation:</u> 8 Heavy-Duty Fasteners/Plates per 4'x8' board	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	213740-0-0

Firestone RubberGard EPDM Platinum - Fully Adhered Uplift Ratings

Concrete Deck – Mechanically Attached Insulation/Cover Board – Adhered Membrane

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: NC EF: A Slope: ¼"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> 1", ISOGARD HD <u>Insulation:</u> 1.5"-4" ISO 95+ GL ISO 95+ GL (Taper) RESISTA	<u>Insulation:</u> 18 Heavy-Duty or Concrete Drive Fasteners/Plates per 4'x8' board	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	288348-0-0
1-90 IF: NC EF: A Slope: 3"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ¼", DensDeck ½", Securock <u>Insulation:</u> 1"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA	<u>Insulation:</u> 12 Heavy-Duty or Concrete Drive Fasteners/Plates per 4'x8' board	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	265632-0-0
1-120 IF: NC EF: A Slope: 1.5"	Concrete Min. 2,500 psi Min. 2" thick	<u>Cover Board:</u> ½", ISOGARD HD <u>Insulation:</u> 1.5"-4" ISO 95+ GL ISO 95+ GL (Taper)	<u>Insulation:</u> 24 Heavy-Duty or Concrete Drive Fasteners/Plates per 4'x8' board	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA - P	288146-0-0

Firestone EcoWhite – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: ½"	Steel 18-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 10 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	229856-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 12 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	229854-0-0
1-120 IF: 1 EF: A Slope: ½"	Steel - WR 18-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 19 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	255161-0-0

Continued:

Firestone EcoWhite – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

1-165 IF: 1 EF: A Slope: 1/2"	Steel - WR 18-22 ga 33 ksi 72" span	<u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 24 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC 1168	255155-0-0
---	--	---	--	-----------------------------	------------------------------------	------------

Firestone EcoWhite – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 1/2"	Steel 16-22 ga 33 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 8 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	229858-0-0
1-165 IF: 1 EF: A Slope: 1/2"	Steel - WR 18-22 ga 33 ksi 72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 20 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC 1168	255156-0-0
1-225 IF: 1 EF: A Slope: 1/2"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/69" span 22ga/33ksi/62" span 22-18ga/80ksi/72" span	<u>Insulation:</u> 2"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	229911-0-0
1-90 IF: 1 EF: A Slope: 1/2"	Steel 16-22 ga 33 ksi 72" span	<u>Cover Board:</u> 1" ISOGARD HD <u>Insulation:</u> 1.5"-4" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 18 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	289472-0-0

Continued:

Firestone EcoWhite – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 1.5"	Steel 16-22 ga 33 ksi 72" span	<u>Cover Board:</u> ½" DensDeck or Securock <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	230168-0-0
1-150 IF: 1 EF: A Slope: 1.5"	Steel 18-22 ga 33 ksi 72" span	<u>Cover Board:</u> ½", DensDeck Prime or Securock <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 24 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	230208-0-0
1-210 IF: 1 EF: A Slope: 1.5"	Steel - WR 20-18ga/33ksi/72" span 22ga/33ksi/64" span 22-18ga/80ksi/72" span	<u>Cover Board:</u> ½" DensDeck Prime or Securock <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	230209-0-0
1-90 IF: 1 EF: A Slope: 1"	Steel 18-20 ga 33 ksi 72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 13 HD HAILGARD Fasteners per 4'x8' board	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168	229884-0-0
1-150 IF: 1 EF: A Slope: 1"	Steel - WR 18-22 ga 33 ksi 72" span	<u>Cover Board:</u> 2"-4" HAILGARD <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	286017-0-0

Continued:

Firestone EcoWhite – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-300 IF: 1 EF: A Slope: 1"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-18ga/80ksi/72" span	<u>Insulation:</u> 2"-4" HAILGARD <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004	229886-0-0
1-90 IF: 1 EF: A Slope: 1"	Steel 22-16 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" - Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) RESISTA 1.4-4" ISOGARD HD COMP <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite .060 RubberGard EcoWhite PT	BA-2004 SFBA Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	229930-0-0
1-150 IF: 1 EF: A Slope: 1"	Steel - WR 22-18 ga 33 ksi 72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" - Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 16 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	229931-0-0
1-300 IF: 1 EF: A Slope: 1"	Steel - WR 18ga/33ksi/70" span 20ga/33ksi/60" span 22ga/33ksi/54" span 22-8ga/80ksi/72" span	<u>Cover Board:</u> APA Rated OSB Min. 0.438" - Max. 0.50" <u>Insulation:</u> 1.5"-12" ISO 95+ GL ISO 95+ GL (Taper) <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Insulation:</u> Loose Laid <u>Optional:</u> Self-Adhered Loose Laid	.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC 1168	229955-0-0

Firestone EcoWhite – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation with Adhered Cover Board

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-120 IF: 1 EF: A Slope: 1.5"	Steel 22-18 ga 33 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck Prime/Securock <u>Insulation (Top):</u> 2" – 4" ISO 95+ GL; 2.3" – 13" ISOGARD GL <u>Optinoal Insulation (Bottom):</u> 2" – 8" ISO 95+ GL/RESISTA; ½" – 8" Tapered ISO 95+ GL/RESISTA <u>Optional:</u> 4 – 6 mil. poly	<u>Cover Board:</u> 6" o.c. beads I.S.O. Fix II I.S.O. Spray R I.S.O. Twin Pack I.S.O. Stick Twin Jet <u>Insulation (Top):</u> 20 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional Insulation (Bottom):</u> CF	Min. .060 RubberGard EcoWhite	BA-2004; EPDM SFBA; SP LVOC; SP LVOC 1168	340789-0-0
1-120 IF: 1 EF: A Slope: 1.5"	Steel 22-16 ga 33 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck Prime/Securock <u>Insulation (Top):</u> 2" – 24" ISO 95+ GL; 2.3" – 12" ISOGARD GL <u>Vapor and Thermal Barrier:</u> V-Force and Primer over ¼" min. DensDeck/DensDeck Prmie or ¾" Securock	<u>Cover Board:</u> 4" o.c. beads I.S.O. Fix II I.S.O. Spray R I.S.O. Twin Pack I.S.O. Stick Twin Jet <u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Vapor and Thermal Barrier:</u> CF	Min. .060 RubberGard EcoWhite	EPDM SFBA	425395-0-0
1-165 IF: 1 EF: A Slope: 1.5"	Steel 22-18 ga (WR) 33 ksi 72" span	<u>Cover Board:</u> ½" min. DensDeck Prime/Securock <u>Insulation:</u> 2" – 12" ISO 95+ GL/RESISTA; 2.3" – 12" ISOGARD GL/ISOGARD CG <u>Optional:</u> 4-6 mil. Poly; V-Force/Primer* over ¼" DensDeck	<u>Cover Board:</u> 4" o.c. beads I.S.O. Fix II I.S.O. Spray R I.S.O. Twin Pack I.S.O. Stick Twin Jet <u>Insulation:</u> 32 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> CF	Min. .060 RubberGard EcoWhite	BA-2004; SP LVOC	328774-0-0

Firestone EcoWhite – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation, Adhered Insulation and Adhered Cover Board

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 1.5"	Steel 22-16 ga 33 ksi 72" span Note: Max total insulation thickness to be 12".	<u>Cover Board:</u> ½" min. DensDeck Prime/Securock <u>Insulation (Top):</u> ½" – 9.8" ISO 95+ GL/RESISTA; 2.3" – 12" ISOGARD GL/ISOGARD CG <u>Insulation (Bottom):</u> 2.2" – 4" ISO 95+ GL/RESISTA; 2.3" – 12" ISOGARD GL/ISOGARD CG <u>Optional:</u> ¼" DensDeck/DensDeck Prime; 3/8" Securock	<u>Cover Board:</u> 12" o.c. beads I.S.O. Fix II I.S.O. Spray R I.S.O. Twin Pack I.S.O. Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads I.S.O. Fix II I.S.O. Spray R I.S.O. Twin Pack I.S.O. Stick Twin Jet <u>Insulation (Bottom):</u> 8 Heavy Duty Fasteners/Plates per 4'x8' board <u>Optional:</u> CF	Min. .060 RubberGuard EcoWhite	BA-2004; EPDM SFBA; SP LVOC; SP LVOC 1168; WBBA-P	385321-0-0
1-90 IF: 1 EF: A Slope: 1.5"	Steel 22-16 ga 33 ksi 72" span Note: Max total insulation thickness to be 12".	<u>Cover Board:</u> ½" min. DensDeck Prime/Securock <u>Insulation (Top):</u> ½" – 9.8" ISO 95+ GL/RESISTA; 2.3" – 12" ISOGARD GL/ISOGARD CG <u>Insulation (Bottom):</u> 2.2" – 4" ISO 95+ GL/RESISTA; 2.3" – 12" ISOGARD GL/ISOGARD CG <u>Vapor and Thermal Barrier:</u> V-Force and Primer over ¼" min. DensDeck/DensDeck Prime or ¾" Securock	<u>Cover Board:</u> 12" o.c. beads I.S.O. Fix II I.S.O. Spray R I.S.O. Twin Pack I.S.O. Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads I.S.O. Fix II I.S.O. Spray R I.S.O. Twin Pack I.S.O. Stick Twin Jet <u>Insulation (Bottom):</u> 8 Heavy Duty Fasteners/Plates per 4'x8' board <u>Vapor and Thermal Barrier:</u> CF	Min. .060 RubberGuard EcoWhite	BA-2004; EPDM SFBA; SP LVOC; SP LVOC 1168; WBBA-P	385320-0-0

Firestone – Fully Adhered Uplift Ratings

Re-Cover Construction – Treated Wood Deck – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ½"	Treated Wood	Insulation: 1" ISO 95+ GL ISO 95+ GL (Taper) RESISTA	Insulation: 16 All-Purpose or Heavy Duty Fasteners/Plates per 4'x8' board	.045 mil. min. RubberGard LS-FR .060 mil. RubberGard LS-FR PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	326810-0-0
1-90 IF: 1 EF: A Slope: ¼"				.045 mil. min. RubberGard MAX .045 mil. RubberGard MAX PT	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	326806-0-0
1-90 IF: 1 EF: A Slope: 2.5"				.045 mil. min. RubberGard MAX	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168	326812-0-0
1-90 IF: 1 EF: A Slope: ½"				.060 RubberGard EcoWhite	BA-2004 Single-Ply LVOC Single-Ply LVOC 1168 WBBA-P	326814-0-0

Firestone RubberGard LS-FR Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: ½"	Steel 22-16 ga 33 ksi 72" span	Insulation: ISO 95+ GL – 1.5"-12", 4'x8' boards ISO 95+ GL (Taper) – 1.5"-12", 4'x8' boards RESISTA – 1.5"-12", 4'x8' boards DensDeck – ¼" min. Securock – ¼" min. Attachment: Pre-securement Vapor Retarder (Optional): 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard LS-FR	84" rows at 6" o.c. HD Fasteners and Firestone Metal or Polymer Batten	78504-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 22-16 ga 33 ksi 72" span	Insulation: ISO 95+ GL – 1.5"-12", 4'x8' boards ISO 95+ GL (Taper) – 1.5"-12", 4'x8' boards RESISTA – 1.5"-12", 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards Attachment: Pre-securement Vapor Retarder (Optional): 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard LS-FR 78" Max Width	72" rows at 6" o.c. HD Fasteners and Firestone Metal Batten	45679-0-0

Firestone RubberGard LS-FR – QuickSeam R.M.A. - Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
60 PSF IF: 1 EF: A Slope: 3/4"	Steel: 22-16ga 33ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards Resista – 1"-12", 4'x8' boards (Taper is an option) <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force, primer over DensDeck BaseGard SA, primer over DensDeck	Coating: AcryliTop PC-100 Membrane: .045 mil. min. LS-FR/LS-FR PT	QuickSeam R.M.A. Strip Rows: 96" o.c. Fasteners: 12" o.c. Metal Batten/HD Fasteners	181925-0-0
60 PSF IF: 1 EF: A Slope: 3/4"	Steel: 22-16ga 33ksi 72" span	<u>Cover Board:</u> ISOGARD HD – 1/2", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards Resista – 1"-12", 4'x8' boards (Taper is an option) <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force, primer over DensDeck BaseGard SA, primer over DensDeck	Coating: AcryliTop PC-100 Membrane: .045 mil. min. LS-FR/LS-FR PT	QuickSeam R.M.A. Strip Rows: 96" o.c. Fasteners: 12" o.c. Metal Batten/HD Fasteners	386679-0-0
60 PSF IF: 1 EF: A Slope: 1/2"	Steel: 22-16ga 33ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards Resista – 1"-12", 4'x8' boards (Taper is an option) <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force, primer over DensDeck BaseGard SA, primer over DensDeck	Coating (Optional): AcryliTop PC-100 Membrane: .045 mil. min. LS-FR/LS-FR PT Platinum/Plat PT	QuickSeam R.M.A. Strip Rows: 96" o.c. Fasteners: 12" o.c. Metal Batten/HD Fasteners	181932-0-0
75 PSF IF: 1 EF: A Slope: 3/4"	Steel: 22-16ga 33ksi 72" span	<u>Cover Board:</u> ISOGARD HD – 1/2", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards Resista – 1"-12", 4'x8' boards (Taper is an option) <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force, primer over DensDeck BaseGard SA, primer over DensDeck	Coating: AcryliTop PC-100 Membrane: .045 mil. min. LS-FR/LS-FR PT	QuickSeam R.M.A. Strip Rows: 72" o.c. Fasteners: 12" o.c. Metal Batten/HD Fasteners	386681-0-0
75 PSF IF: 1 EF: A Slope: 3/4"	Steel: 22-16ga 33ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards Resista – 1"-12", 4'x8' boards (Taper is an option) <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force, primer over DensDeck BaseGard SA, primer over DensDeck	Coating: AcryliTop PC-100 Membrane: .045 mil. min. LS-FR/LS-FR PT	QuickSeam R.M.A. Strip Rows: 72" o.c. Fasteners: 12" o.c. Metal Batten/HD Fasteners	181934-0-0

Continued:

Firestone RubberGard LS-FR – QuickSeam R.M.A. - Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
75 PSF IF: 1 EF: A Slope: 1/2"	Steel: 22-16ga 33ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1.5"-24", 4'x8' boards Resista – 1.5"-24", 4'x8' boards (Taper is an option) <u>Attachment:</u> Pre-securement <u>Vapor Retarder:</u> V-Force, primer over 1/4" min. DensDeck	Coating (Optional): AcryliTop PC-100 Membrane: .045 mil. min. LS-FR/LS-FR PT Platinum/Plat PT	QuickSeam R.M.A. Strip Rows: 72" o.c. Fasteners: 12" o.c. Metal Batten/HD Fasteners	423140-0-0

Firestone RubberGard MAX Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: 1/4"	Steel: 22- 16ga/33ksi/ 72" span 22ga/33ksi/ 60" span 22ga/80ksi/ 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1"-1.5", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Structodek – 1" min., 4'x8' boards DensDeck – 1/4" min., 4'x8' boards Securock – 1/4" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX 10' Sheets	114" rows at 6" o.c. HD Fasteners/Plates	10931-0-0
1-60 IF: 1 EF: A Slope: 1/4"	Steel: 22- 16ga/33ksi/ 72" span 22ga/33ksi/ 60" span 22ga/80ksi/ 72" span	<u>Cover Board:</u> ISOGARD HD – 1/2", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX 10' Sheets	114" rows at 6" o.c. HD Fasteners/Plates	386732-0-0

Continued:

Firestone RubberGard MAX Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: ¼"	Steel: 20ga/33ksi/ 72" span 22ga/33ksi/ 60" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Structodek – 1" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX 10' Sheets	114" rows at 6" o.c. HD Fasteners and Firestone Polymer Batten	334034-0-0
1-60 IF: 1 EF: A Slope: ¼"	Steel: 20ga/33ksi/ 72" span 22ga/33ksi/ 60" span	<u>Cover Board:</u> ISOGARD HD – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX 10' Sheets	114" rows at 6" o.c. HD Fasteners and Firestone Polymer Batten	386989-0-0
1-90 IF: 1 EF: A Slope: ¼"	Steel: 18- 16ga/33ksi/ 72" span 20ga/33ksi/ 48" span 20ga/80ksi/ 72" span 22ga/80ksi/ 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Structodek – 1" min., 4'x8' boards FiberTop B – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX 10' Sheets	114" rows at 6" o.c. HD Fasteners and Firestone Polymer Batten	11488-0-0
1-90 IF: 1 EF: A Slope: ¼"	Steel: 18- 16ga/33ksi/ 72" span 20ga/33ksi/ 48" span 20ga/80ksi/ 72" span 22ga/80ksi/ 72" span	<u>Cover Board:</u> ISOGARD HD – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX 10' Sheets	114" rows at 6" o.c. HD Fasteners and Firestone Polymer Batten	386741-0-0

Continued:

Firestone RubberGard MAX Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-120 IF: 1 EF: A Slope: 1/4"	Steel: Wide Rib 20-18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Cover Board:</u> ISO GARD HD – 1/2", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX 10' Sheets	114" rows at 6" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	386950-0-0
1-120 IF: 1 EF: A Slope: 1/4"	Steel: Wide Rib 20-18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISO GARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Structodek – 1" min., 4'x8' boards FiberTop B – 1/2" min., 4'x8' boards DensDeck – 1/4" min., 4'x8' boards Securock – 1/4" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX 10' Sheets	114" rows at 6" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	128862-0-0

Firestone RubberGard MAX FR (Fire Retardant) Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: 2"	Steel: 20-16ga/33ksi/72" span 22ga/33ksi/60" span 22ga/80ksi/72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 6" o.c. HD Fasteners and Firestone V-Plates	386470-0-0
1-60 IF: 1 EF: A Slope: 3"	Steel: 20-16ga/33ksi/72" span 22ga/33ksi/60" span 22ga/80ksi/72" span	<u>Insulation:</u> Structodek – 1" min., 4'x8' boards DensDeck – 1/4" min., 4'x8' boards Securock – 1/4" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 6" o.c. HD Fasteners and Firestone V-Plates	48124-0-0

Continued:

Firestone RubberGard MAX FR (Fire Retardant) Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: 2"	Steel: 20- 16ga/33ksi/72 " span 22ga/33ksi/60 " span 22ga/80ksi/72 " span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 6" o.c. HD Fasteners and Firestone V-Plates	47996-0-0
1-90 IF: 1 EF: A Slope: 2"	Steel: 22ga/80ksi/72 " span	<u>Cover Board:</u> ISOGARD HD – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 12" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	386601-0-0
1-90 IF: 1 EF: A Slope: 2"	Steel: 22ga/80ksi/72 " span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 12" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	330918-0-0
1-90 IF: 1 EF: A Slope: 3"	Steel: 22ga/80ksi/72 " span	<u>Insulation:</u> Structodek – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 12" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	330922-0-0

Continued:

Firestone RubberGard MAX FR (Fire Retardant) Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 3"	Steel: 22ga/80ksi/72" span	<u>Cover Board:</u> Structodek – 1" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1.5"-12", 4'x8' boards ISO 95+ GL (Taper) – 1.5"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1.5"-12", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 12" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	330925-0-0
1-120 IF: 1 EF: A Slope: 2"	Steel: Wide Rib 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Cover Board:</u> ISOGARD HD – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 12" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	386569-0-0
1-120 IF: 1 EF: A Slope: 3"	Steel: Wide Rib 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Cover Board:</u> Structodek – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1.5"-12", 4'x8' boards ISO 95+ GL (Taper) – 1.5"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 12" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	128968-0-0
1-120 IF: 1 EF: A Slope: 2"	Steel: Wide Rib 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 12" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	128880-0-0

Continued:

Firestone RubberGard MAX FR (Fire Retardant) Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-120 IF: 1 EF: A Slope: 3"	Steel: Wide Rib 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Cover Board:</u> Structodek – 1" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR 10' Sheets	114" rows at 12" o.c. HD Plus Fasteners and Firestone Polymer Batten <u>Additional:</u> Mid-span attachment at 12" o.c. stripped in with cover strip.	128882-0-0

Firestone RubberGard MAX – QuickSeam R.M.A. - Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: ¼"	Steel: 20- 16ga/33ksi/72" span 22ga/33ksi/60" span 22ga/80ksi/72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Structodek – ½", 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards FiberTop B – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	79883-0-0
1-60 IF: 1 EF: A Slope: ½"	Steel: 20- 16ga/33ksi/72" span 22ga/33ksi/60" span 22ga/80ksi/72" span	<u>Insulation:</u> Structodek – ½", 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards FiberTop B – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80045-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel: 18- 16ga/33ksi/72" span 20ga/33ksi/48" span 20g/80ksi/72" span 22ga/80ksi/72" span	<u>Insulation:</u> Structodek – ½", 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards FiberTop B – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80061-0-0

Continued:

Firestone RubberGard MAX – QuickSeam R.M.A. - Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: ¼"	Steel: 18- 16ga/33ksi/72" span 20ga/33ksi/48" span 20g/80ksi/72" span 22ga/80ksi/72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Structodek – ½", 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards FiberTop B – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	79891-0-0
1-105 IF: 1 EF: A Slope: ¼"	Steel: Wide Rib 18ga/33ksi/54" span 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Structodek – ½", 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards FiberTop B – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	79900-0-0
1-105 IF: 1 EF: A Slope: ½"	Steel: Wide Rib 18ga/33ksi/54" span 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Insulation:</u> Structodek – ½", 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX	QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V- Plates 114" rows, 6" o.c.	80183-0-0

Continued:

Firestone RubberGard MAX – QuickSeam R.MA. - Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-105 IF: 1 EF: A Slope: ½"	Steel: Wide Rib 18ga/33ksi/54" span 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Cover Board:</u> Structodek – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX	QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V-Plates 114" rows, 6" o.c.	80187-0-0
1-105 IF: 1 EF: A Slope: ¼"	Steel: Wide Rib 18ga/33ksi/54" span 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Cover Board:</u> ISOGARD HD – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	386867-0-0

Firestone RubberGard MAX FR (Fire Retardant) – QuickSeam R.MA. –

Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: 2"	Steel: 20- 16ga/33ksi/72" span 22ga/33ksi/60" span 22ga/80ksi/72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V-Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80362-0-0

Continued:

Firestone RubberGard MAX FR (Fire Retardant) – QuickSeam R.M.A. – Mechanically Attached Uplift Ratings
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: 3"	Steel: 20- 16ga/33ksi/72" span 22ga/33ksi/60" span 22ga/80ksi/72" span	<u>Cover Board:</u> Structodek – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V- Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80398-0-0
1-90 IF: 1 EF: A Slope: 2"	Steel: 18- 16ga/33ksi/72" span 20ga/33ksi/48" span 20g/80ksi/72" span 22ga/80ksi/72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V- Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80346-0-0
1-90 IF: 1 EF: A Slope: 2"	Steel: 18- 16ga/33ksi/72" span 20ga/33ksi/48" span 20g/80ksi/72" span 22ga/80ksi/72" span	<u>Cover Board:</u> ISOGARD HD – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V- Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	386524-0-0
1-90 IF: 1 EF: A Slope: 3"	Steel: 18- 16ga/33ksi/72" span 20ga/33ksi/48" span 20g/80ksi/72" span 22ga/80ksi/72" span	<u>Insulation:</u> Structodek – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V- Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80410-0-0

Continued:

Firestone RubberGard MAX FR (Fire Retardant) – QuickSeam R.M.A. –

Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-90 IF: 1 EF: A Slope: 3"	Steel: 18- 16ga/33ksi/72" span 20ga/33ksi/48" span 20g/80ksi/72" span 22ga/80ksi/72" span	<u>Cover Board:</u> Structodek – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards RESISTA – 1"-12", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V- Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80414-0-0
1-105 IF: 1 EF: A Slope: 3"	Steel: Wide Rib 18ga/33ksi/54" span 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Insulation:</u> Structodek – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V- Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80426-0-0
1-105 IF: 1 EF: A Slope: 3"	Steel: Wide Rib 18ga/33ksi/54" span 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Cover Board:</u> Structodek – ½" min., 4'x8' boards DensDeck – ¼" min., 4'x8' boards Securock – ¼" min., 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V- Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80430-0-0

Continued:

Firestone RubberGard MAX FR (Fire Retardant) – QuickSeam R.M.A. –

Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-105 IF: 1 EF: A Slope: 2"	Steel: Wide Rib 18ga/33ksi/54" span 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Cover Board:</u> ISOGARD HD – ½", 4'x8' boards <u>Attachment:</u> Pre-securement <u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V-Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	386532-0-0
1-105 IF: 1 EF: A Slope: 2"	Steel: Wide Rib 18ga/33ksi/54" span 20- 18ga/80ksi/72" span 22ga/80ksi/54" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x4' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards <u>Attachment:</u> Loose Laid <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.045 mil. min. RubberGard MAX FR	QuickSeam R.M.A. Strip Polymer Batten 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/ V-Plates 114" rows, 6" o.c. QuickSeam R.M.A. Strip Heavy Duty Fasteners/Plates 114" rows, 6" o.c.	80354-0-0

Firestone RubberGard Platinum Mechanically Attached Uplift Ratings

Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: ½"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1.5"-12", 4'x8' boards ISO 95+ GL (Taper) – 1.5"-12", 4'x8' boards RESISTA – 1.5"-12", 4'x8' boards DensDeck – ¼" min. – 4'x8' boards Securock – ¼" min. – 4'x8' boards <u>Attachment:</u> Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	72" rows at 6" o.c. HD Fasteners and Firestone Metal or Polymer Batten Strip and HD Fasteners	78504-0-0

Continued:

Firestone RubberGard Platinum Mechanically Attached Uplift Ratings
Steel Deck, New Construction – Mechanically Attached Insulation/Cover Board

Uplift	Deck Type	Cover Board/Insulation	Membrane and Row Spacing	Membrane Attachment	RoofNav Number
1-60 IF: 1 EF: A Slope: 1.5"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1.5"-12", 4'x8' boards ISO 95+ GL (Taper) – 1.5"-12", 4'x8' boards RESISTA – 1.5"-12", 4'x8' boards ISOGARD HD COMP – 1.4"-4", 4'x8' boards Structodek – ½" min. – 4'x8' boards DensDeck – ¼" min. – 4'x8' boards Securock – ¼" min. – 4'x8' boards Attachment: Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	84" rows at 6" o.c. HD Fasteners and Firestone Metal or Polymer Batten Strip and HD Fasteners	125220-0-0
1-60 IF: 1 EF: A Slope: 1.5"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Attachment: Pre-securement	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	84" rows at 6" o.c. QuickSeam R.M.A. Strip w/ Metal or Polymer Batten Strip and HD Fasteners	181910-0-0
1-60 IF: 1 EF: A Slope: 1.5"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Attachment: Pre-securement	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	96" rows at 12" o.c. QuickSeam R.M.A. Strip w/ Metal Batten Strip and HD Fasteners	181927-0-0
1-60 IF: 1 EF: A Slope: 1.5"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Attachment: Pre-securement	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	84" rows at 12" o.c. HD Fasteners and Firestone Metal Batten Strip and HD Fasteners	196547-0-0
1-60 IF: 1 EF: A Slope: 1.5"	Steel 20ga/33ksi/ 72" span 22ga/33ksi/ 60" span	<u>Insulation:</u> ISO 95+ GL – 1.5"-12", 4'x8' boards ISO 95+ GL (Taper) – 1.5"-12", 4'x8' boards RESISTA – 1.5"-12", 4'x8' boards Attachment: Pre-securement	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	114" rows at 12" o.c. HD Fasteners and Firestone Poly Batten Strip and HD Plus Fasteners	335012-0-0
1-75 IF: 1 EF: A Slope: ½"	Steel 22-16 ga 33 ksi 72" span	<u>Insulation:</u> ISO 95+ GL – 1"-12", 4'x8' boards ISO 95+ GL (Taper) – 1"-12", 4'x8' boards RESISTA – 1"-12", 4'x8' boards Attachment: Pre-securement	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	72" rows at 12" o.c. QuickSeam R.M.A. Strip w/ Metal or Polymer Batten Strip and HD Fasteners	181941-0-0
1-90 IF: 1 EF: A Slope: ½"	Steel 18- 16ga/33ksi/ 72" span 20ga/33ksi/ 48" span 20ga/80ksi/ 72" span 22ga/80ksi/ 72" span	<u>Insulation:</u> ISO 95+ GL – 1.5"-12", 4'x8' boards ISO 95+ GL (Taper) – 1.5"-12", 4'x8' boards RESISTA – 1.5"-12", 4'x8' boards Attachment: Pre-securement <u>Vapor Retarder (Optional):</u> 4-6 min. poly V-Force (Self-Adhered) over DensDeck BaseGard SA (Self-Adhered) over DensDeck	.090 mil. RubberGard Platinum .090 mil. RubberGard Platinum PT	114" rows at 12" o.c. HD Fasteners and Firestone Poly Batten Strip and HD Plus Fasteners	230418-0-0

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Concrete Deck, New Construction – Adhered Insulation/Cover Board – Self Adhered Membrane

Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
1-90 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> Securock Min. 0.25" - Max. 0.625" <u>Insulation:</u> 1.5"-36" thick ISO 95+ GL ISO 95+ GL (Taper) Resista <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> ISO Fix II; Adhered at 12" o.c. <u>Insulation:</u> ISO Fix II; Adhered at 12" o.c. <u>Primed Deck (Optional):</u> Concrete Primer, Asphaltic Permeable	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	374416-0-0
1-225 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> Securock Min. 0.25" - Max. 0.625" <u>Insulation:</u> 1.5"-12" thick ISO 95+ GL ISO 95+ GL (Taper) Resista <u>Optional:</u> 4 or 6 mil Poly. V-Force (Self-Adhered) DensDeck	<u>Cover Board:</u> ISO Twin Pack; Adhered at 12" o.c. <u>Insulation:</u> ISO Twin Pack; Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	407862-0-0
1-225 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> Securock Min. 0.25" - Max. 0.625" <u>Insulation:</u> ½"-12" thick ISO 95+ GL ISO 95+ GL (Taper) -or- 1"-12" thick Resista	<u>Cover Board:</u> ISO Stick Twin Jet; Adhered at 12" o.c. <u>Insulation:</u> ISO Stick Twin Jet; Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	412609-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Concrete Deck, New Construction – Adhered Insulation/Cover Board – Self Adhered Membrane
Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
1-255 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> HailGard* Min. 1.5" - Max. 4.0" -or- OSB (APA Rated) Min. 7/16" - Max. 1/2" <u>Insulation:</u> 1/2"-12" thick ISO 95+ GL ISO 95+ GL (Taper) -or- 1"-12" thick Resista	<u>Cover Board:</u> ISO Stick Twin Jet; Adhered at 12" o.c. <u>Insulation:</u> ISO Stick Twin Jet; Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	412587-0-0
1-255 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> HailGard* Min. 1.5" - Max. 4.0" -or- OSB (APA Rated) Min. 7/16" - Max. 1/2" <u>Insulation:</u> 1/2"-12" thick ISO 95+ GL ISO 95+ GL (Taper) -or- 1"-12" thick Resista	<u>Cover Board:</u> ISO Twin Pack Adhered at 12" o.c. <u>Insulation:</u> ISO Twin Pack Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	407840-0-0
1-255 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> HailGard* Min. 1.5" - Max. 4.0" -or- OSB (APA Rated) Min. 7/16" - Max. 1/2" <u>Insulation:</u> 1"-36" thick ISO 95+ GL ISO 95+ GL (Taper) Resista	<u>Cover Board:</u> ISO Spray R Adhered at 12" o.c. <u>Insulation:</u> ISO Spray R Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	308441-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Concrete Deck, New Construction – Adhered Insulation/Cover Board – Self Adhered Membrane
Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
1-255 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> HailGard* Min. 1.5" - Max. 4.0" -or- OSB (APA Rated) Min. 7/16" - Max. 1/2" <u>Insulation (Top):</u> 1"-4" thick ISO 95+ GL Resista 1/2"-4" thick ISO 95+ GL (Taper) Resista <u>Insulation (Bottom):</u> 1"-36" thick ISO 95+ GL ISO 95+ GL (Taper) Resista	<u>Cover Board:</u> ISO Spray R Adhered at 12" o.c. <u>Insulation:</u> ISO Spray R Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	308505-0-0
1-300 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> SECUROCK Min. 1/4" - Max. 5/8" <u>Insulation:</u> 1/2" - 36" thick ISO 95+ GL ISO 95+ GL (Taper)	<u>Cover Board:</u> ISO Stick Twin Jet Adhered at 12" o.c. <u>Insulation:</u> ISO Stick Twin Jet Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	375124-0-0
1-315 IF: NC EF: A Slope: 1" Hail: SH	1/4" min. SECUROCK 1.5" - 36" ISO 95+ GL (F/T)	12" o.c. beads ISO Twin Pack	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	375164-0-0
	1/4" min. DensDeck Prime/SECUROCK 1.5" - 36" ISO 95+ GL (F/T)	12" o.c. beads ISO Spray R/ISO Twin Pack		375168-0-0
	1.5" - 4" HailGard* or min. 7/16" OSB 1.5" - 36" ISO 95+ GL (F/T)	12" o.c. beads ISO Twin Pack		374161-0-0
	1/4" min. DensDeck Prime/SECUROCK 1/2" - 4" Tapered ISO 95+ GL (Top) 1.5" - 36" ISO 95+ GL (F/T) (Bottom)	12" o.c. beads ISO Spray R/ISO Twin Pack		409050-0-0
1-375 IF: NC EF: A Slope: 3/4" Hail: SH	<u>Cover Board:</u> 1/2" ISOGARD HD 1" - 2.5" ISOGARD HD Comp. <u>Insulation:</u> 1/2" - 12" thick ISO 95+ GL (F/T) 1" - 12" thick Resista (F/T)	<u>Cover Board:</u> ISO Stick/Twin Jet Adhered at 12" o.c. <u>Insulation:</u> ISO Stick/Twin Jet Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	412582-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Concrete Deck, New Construction – Adhered Insulation/Cover Board – Self Adhered Membrane
Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
1-375 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1/4" - 5/8" thick DensDeck Prime <u>Insulation:</u> 1/2" - 12" thick ISO 95+ GL (F/T) 1" - 12" thick Resista (F/T)	<u>Cover Board:</u> ISO Stick/Twin Jet Adhered at 12" o.c. <u>Insulation:</u> ISO Stick/Twin Jet Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	412608-0-0
1-375 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1/4" - 5/8" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 36" thick ISO 95+ GL (F/T)	<u>Cover Board:</u> ISO Stick/Twin Jet Adhered at 12" o.c. <u>Insulation:</u> ISO Stick/Twin Jet Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	409034-0-0
1-465 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1/4" - 5/8" thick DensDeck Prime <u>Insulation:</u> 1/2" - 12" thick ISO 95+ GL (F/T) 1" - 12" thick Resista (F/T)	<u>Cover Board:</u> ISO Twin Pack Adhered at 12" o.c. <u>Insulation:</u> ISO Twin Pack Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	407856-0-0
1-465 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1/4" - 5/8" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 36" thick ISO 95+ GL (F/T)	<u>Cover Board:</u> ISO Stick/Twin Jet Adhered at 12" o.c. <u>Insulation:</u> ISO Stick/Twin Jet Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	375157-0-0
1-495 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1.5" - 4" thick HailGard 7/16" - 1/2" thick OSB (APA) <u>Insulation:</u> 1.5" - 36" thick ISO 95+ GL (F/T)	<u>Cover Board:</u> ISO Stick/Twin Jet Adhered at 12" o.c. <u>Insulation:</u> ISO Stick/Twin Jet Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	228339-0-0
1-495 IF: NC EF: A Slope: 3/4" Hail: SH	<u>Cover Board:</u> 1/2" ISOGARD HD 1" - 2.5" thick ISOGARD HD Comp. <u>Insulation:</u> 1.5" - 36" thick ISO 95+ GL (F/T)	<u>Cover Board:</u> ISO Twin Pack Adhered at 12" o.c. <u>Insulation:</u> ISO Twin Pack Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	374374-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Concrete Deck, New Construction – Adhered Insulation/Cover Board – Self Adhered Membrane
Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
1-555 IF: NC EF: A Slope: ¾" Hail: SH	<u>Cover Board:</u> ½" ISOGARD HD 1" – 2.5" ISOGARD HD Comp. <u>Insulation:</u> 1.5" - 36" thick ISO 95+ GL (F/T)	<u>Adhesive:</u> ISO Fix II Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	374381-0-0
	<u>Cover Board:</u> ½" ISOGARD HD 1" – 2.5" ISOGARD HD Comp. <u>Insulation (Top):</u> ½" - 4" thick ISO 95+ GL (F/T) 1" - 4" thick ISO 95+ GL (F/T) <u>Insulation (Bottom):</u> 1.5" - 36" thick ISO 95+ GL/Resista (F/T)			308233-0-0
1-555 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation:</u> 1" - 36" thick ISO 95+ GL (F/T) Resista (F)	<u>Adhesive:</u> ISO Spray R Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	308353-0-0
	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation (Top):</u> ½" - 4" thick ISO 95+ GL/Resista (T) 1" - 4" thick ISO 95+ GL/Resista (T) <u>Insulation (Bottom):</u> 1" - 36" thick ISO 95+ GL/Resista (F/T)			308388-0-0
1-645 IF: NC EF: A Slope: ¾" Hail: SH	<u>Cover Board:</u> ½" ISOGARD HD 1" – 2.5" ISOGARD HD Comp. <u>Insulation:</u> 1.5" - 36" thick ISO 95+ GL (F/T)	<u>Adhesive:</u> ISO Stick Twin Jet Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	374382-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Concrete Deck, New Construction – Adhered Insulation/Cover Board – Self Adhered Membrane
Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
1-690 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1/4" - 5/8" thick Securock <u>Insulation (Top):</u> 1" - 4" thick ISO 95+ GL (T) <u>Insulation (Bottom):</u> 1.5" - 36" thick ISO 95+ GL (F/T)	ISO Spray/square	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	374399-0-0
1-690 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1/4" - 5/8" thick Securock <u>Insulation (Top):</u> 1.5" - 36" thick ISO 95+ GL (F/T)	ISO Spray/square	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	374400-0-0
1-690 IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1/4" - 5/8" thick Securock <u>Insulation (Top):</u> 1" - 4" thick ISO 95+ GL (T) <u>Insulation (Bottom):</u> 1.5" - 36" thick ISO 95+ GL (F/T)	ISO Spray/square	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	375128-0-0
1-720 IF: NC EF: A Slope: 3/4" Hail: SH	<u>Insulation:</u> 1" - 12" thick Resista (F/T)	<u>Adhesive:</u> ISO Twin Pack Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	405859-0-0
1-780 IF: NC EF: A Slope: 3/4" Hail: SH	<u>Cover Board:</u> 1/2" min. ISOGARD HD 1" – 2.5" ISOGARD HD Comp. <u>Insulation (Top):</u> 1/2" - 12" thick ISO 95+ GL (F/T) 1" - 12" thick Resista (F/T)	<u>Adhesive:</u> ISO Twin Pack Adhered at 12" o.c.	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	407814-0-0

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Concrete Deck, New Construction – Attached Insulation/Cover Board – Self Adhered Membrane

Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation		Cover Board and Insulation Attachment	Membrane Attachment	RoofNav Number
90 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/ ½" min. Securock <u>Insulation (Top):</u> 1" - 12" thick ISO 95+ GL (F/T) Resista (F/T)		<u>Cover Board:</u> 12 Fasteners/Plates per board Concrete Drive Heavy-Duty <u>Insulation:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	265629-0-0
90 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Insulation:</u> 1" - 12" thick ISO 95+ GL/Resista (F/T)	<u>Cover Board:</u> ½" - ⅝" thick Securock	<u>Cover Board:</u> 12 Fasteners/Plates per board Concrete Drive Heavy-Duty <u>Insulation:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	401632-0-0
	1.5" - 12" thick ISO 95+ GL/Resista (F/T)	¼" thick Securock	<u>Cover Board:</u> 10 Fasteners/Plates per board Concrete Drive Heavy-Duty <u>Insulation:</u> CF		401655-0-0
	1.5" - 12" thick ISO 95+ GL/Resista (F/T)	⅜" - ⅝" thick Securock	<u>Cover Board:</u> 8 Fasteners/Plates per board Concrete Drive Heavy-Duty <u>Insulation:</u> CF		401656-0-0
90 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> ½" - ⅝" thick Securock <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier (Optional):</u> 4 – 6 mil Poly V-Force w/ Primer		<u>Cover Board:</u> 8 Fasteners/Plates per board Concrete Drive Heavy-Duty <u>Insulation:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	401927-0-0
105 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier (Optional):</u> 4 – 6 mil Poly V-Force w/ Primer BaseGard SA w/ Primer		<u>Cover Board:</u> 18 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	395804-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Concrete Deck, New Construction – Attached Insulation/Cover Board – Self Adhered Membrane
Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane Attachment	RoofNav Number
135 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> $\frac{1}{2}$ " - $\frac{5}{8}$ " thick DensDeck Prime <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier (Optional):</u> 4 – 6 mil Poly V-Force w/ Primer	<u>Cover Board:</u> 18 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	395805-0-0
150 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> $\frac{1}{2}$ " - $\frac{5}{8}$ " thick DensDeck Prime <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier (Optional):</u> 4 – 6 mil Poly V-Force w/ Primer BaseGard AS w/ Primer	<u>Cover Board:</u> 20 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	395806-0-0

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Concrete Deck, New Construction – Adhered Cover Board/Insulation - Attached Insulation – Self Adhered Membrane
Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
75 PSF IF: NC EF: A Slope: $\frac{3}{4}$ " Hail: SH	<u>Cover Board:</u> $\frac{1}{2}$ " ISOGARD HD 1" – 2.5" ISGOARD HD Comp. <u>Insulation (Top):</u> $\frac{1}{2}$ " - 8" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 2" - 4" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier (Optional):</u> 4 – 6 mil Poly V-Force w/ Primer	<u>Cover Board:</u> 12" o.c. beads ISO FIX II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads ISO FIX II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation (Bottom):</u> 8 Fasteners/Plates per board Concrete Drive Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	387743-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Concrete Deck, New Construction – Adhered Cover Board/Insulation - Attached Insulation – Self Adhered Membrane

Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
75 PSF IF: NC EF: A Slope: ¾" Hail: SH	<u>Cover Board:</u> ½" ISOGARD HD 1" – 2.5" ISOGARD HD Comp. <u>Insulation:</u> 2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier (Optional):</u> 4 – 6 mil Poly V-Force w/ Primer	<u>Cover Board:</u> 12" o.c. beads ISO FIX II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 8 Fasteners/Plates per board Concrete Drive Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	387744-0-0
90 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/ ½" min. Securock <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier (Optional):</u> V-Force w/ Primer SBS Torch	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 16 Fasteners/Plates per board Concrete Drive Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	371066-0-0
120 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> ½" - ⅝" thick DensDeck Prime/ ½" min. Securock <u>Insulation (Top):</u> 2" - 4" thick ISO 95+ GL (F/T) <u>Insulation (Bottom) (Optional):</u> 2" - 8" thick ISO 95+ GL (F); ½" - 8" thick ISO 95+ GL/Resista (T) <u>Vapor Barrier (Optional):</u> 4 – 6 mil Poly	<u>Cover Board:</u> 6" o.c. beads ISO FIX II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 20 Fasteners/Plates per board Concrete Drive Heavy-Duty <u>Insulation (Bottom) (Optional):</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	340794-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Concrete Deck, New Construction – Adhered Cover Board/Insulation - Attached Insulation – Self Adhered Membrane

Concrete Deck – Minimum 2,500 psi – Minimum 2" thick

Uplift	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
210 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1.5" - 4" thick HailGard; 3/8" - 1/2" thick OSB (APA) <u>Insulation (Top):</u> 1.5" - 4" thick ISO 95+ GL (F/T) <u>Insulation (Bottom):</u> 2" - 4" thick ISO 95+ GL (F/T) <u>Vapor Barrier (Optional):</u> V-Force w/ Primer SBS Torch	<u>Cover Board:</u> 6" o.c. beads ISO Spray R <u>Insulation (Top):</u> 6" o.c. beads ISO Spray R <u>Insulation (Bottom) (Optional):</u> 32 Fasteners/Plates per board Concrete Drive Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	308012-0-0
210 PSF IF: NC EF: A Slope: 1" Hail: SH	<u>Cover Board:</u> 1/2" - 5/8" thick DensDeck Prime/ 1/2" min. Securock <u>Insulation:</u> 2" - 12" thick ISO 95+ GL (F/T) <u>Vapor Barrier (Optional):</u> V-Force w/ Primer SBS Torch	<u>Cover Board:</u> 4" o.c. beads ISO FIX II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 32 Fasteners/Plates per board Concrete Drive Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	319951-0-0
270 PSF IF: NC EF: A Slope: 1/2" Hail: SH	<u>Cover Board:</u> 1/2" ISOGARD HD 1" – 2.5" ISOGARD HD Comp. <u>Insulation:</u> 2" - 12" thick ISO 95+ GL (F/T) <u>Vapor Barrier (Optional):</u> V-Force w/ Primer SBS Torch	<u>Cover Board:</u> 4" o.c. beads ISO FIX II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 32 Fasteners/Plates per board Concrete Drive Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	320133-0-0

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Steel Deck, New Construction – Thermal Barrier Attached - Adhered Insulation/Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/ ½" min. Securock <u>Insulation (Top):</u> 1.5" - 4" thick ISO 95+ GL (F); ½" - 4" thick ISO 95+ GL (T) <u>Insulation (Bottom):</u> 1.5" - 8" thick ISO 95+ GL (F/T) Resista (F/T) <u>Vapor Barrier:</u> 2 Plies, Type IV or VI <u>Thermal Barrier:</u> ⅝" thick DensDeck Prime, Securock	<u>Cover Board:</u> Hot Asphalt <u>Insulation (Top):</u> Hot Asphalt <u>Insulation (Bottom):</u> Hot Asphalt <u>Vapor Barrier:</u> Hot Asphalt <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	259602-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F); ½" - 12" thick ISO 95+ GL/Resista (T) <u>Vapor Barrier:</u> 2 Plies, Type IV or VI <u>Thermal Barrier:</u> ⅝" thick DensDeck Prime/Securock	<u>Cover Board:</u> Hot Asphalt <u>Insulation:</u> Hot Asphalt <u>Vapor Barrier:</u> Hot Asphalt <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	259698-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation (Top):</u> ½" - 20" thick ISO 95+ GL/Resista (F/T); <u>Insulation (Bottom):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> 2 Plies, Type IV or VI <u>Thermal Barrier:</u> ½" min. DensDeck	<u>Cover Board:</u> Hot Asphalt <u>Insulation (Top):</u> Hot Asphalt <u>Insulation (Bottom):</u> Hot Asphalt <u>Vapor Barrier:</u> Hot Asphalt <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	416634-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Thermal Barrier Attached - Adhered Insulation/Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 24" thick ISO 95+ GL/Resista (F/T); <u>Vapor Barrier:</u> 2 Plies, Type IV or VI <u>Thermal Barrier:</u> ½" min. DensDeck	<u>Cover Board:</u> Hot Asphalt <u>Insulation:</u> Hot Asphalt <u>Vapor Barrier:</u> Hot Asphalt <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	416642-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 24" thick ISO 95+ GL/Resista (F/T); <u>Thermal Barrier:</u> ½" min. DensDeck	<u>Cover Board:</u> Hot Asphalt <u>Insulation:</u> Hot Asphalt <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	416658-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation (Top):</u> ½" - 20" thick ISO 95+ GL/Resista (F/T); <u>Insulation (Bottom):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier:</u> ½" min. DensDeck	<u>Cover Board:</u> Hot Asphalt <u>Insulation (Top):</u> Hot Asphalt <u>Insulation (Bottom):</u> Hot Asphalt <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	416683-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T); <u>Thermal Barrier:</u> ½" min. DensDeck/DensDeck Prime Securock	<u>Cover Board and Insulation:</u> 12" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	259777-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Thermal Barrier Attached - Adhered Insulation/Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> 1/4" - 5/8" thick DensDeck Prime/Securock <u>Insulation (Top):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier:</u> 1/2" min. DensDeck/DensDeck Prime Securock	<u>Cover Board and Insulation:</u> 12" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	259808-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> 1/2" - 5/8" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T); <u>Vapor Barrier:</u> V-Force <u>Thermal Barrier:</u> 1/2" min. DensDeck/DensDeck Prime Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 12" o.c. beads ISO Spray R <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> 12 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	372357-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> 1/4" - 5/8" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> 1/4" min. DensDeck; 1/2" min, Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 12" o.c. beads ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	375213-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Thermal Barrier Attached - Adhered Insulation/Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation (Top):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> ¼" min. DensDeck; ½" min, Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 12" o.c. beads ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	375214-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation (Top):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> ¼" min. DensDeck; ½" min, Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 12" o.c. beads ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	409051-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" - ⅝" thick DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 24" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier:</u> ½" min. DensDeck/DensDeck Prime	<u>Cover Board and Insulation:</u> 12" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	416705-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Thermal Barrier Attached - Adhered Insulation/Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> $\frac{1}{4}$ " - $\frac{5}{8}$ " thick DensDeck Prime/Securock <u>Insulation (Top):</u> $\frac{1}{2}$ " - 20" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 1.5" - 4" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier:</u> $\frac{1}{2}$ " min. DensDeck/DensDeck Prime	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 12" o.c. beads ISO Fix II ISO Twin Pack ISO Stick Twin Jet <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	416718-0-0
90 PSF Slope: $\frac{3}{4}$ " IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> $\frac{1}{2}$ " thick ISOGARD HD; 1" – 2.5" ISOGASRD HD Comp. <u>Insulation:</u> 1.5" - 24" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier:</u> $\frac{1}{2}$ " min. DensDeck	<u>Cover Board:</u> 12" o.c. beads ISO Stick Twin Jet <u>Insulation:</u> 12" o.c. beads ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Thermal Barrier:</u> 16 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	417550-0-0
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> 1.5" - 4" thick HailGard; $\frac{3}{8}$ " – $\frac{1}{2}$ " OSB (APA) <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> $\frac{1}{4}$ " min. DensDeck; $\frac{1}{2}$ " min. Securock	<u>Cover Board and Insulation:</u> 12" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> 8 Fasteners/Plates per board Heavy-Duty	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	294533-0-0

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Steel Deck, New Construction – Attached Insulation – Adhere Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane Attachment	RoofNav Number
75 PSF Slope: ¾" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" thick ISOGARD HD; 1" – 2.5" ISOGASRD HD Comp. <u>Insulation:</u> 2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	387706-0-0
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" thick DensDeck Prime/Securock <u>Insulation:</u> 2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier:</u> V-Force w/ Primer <u>Vapor/Thermal Barrier:</u> ¼" DensDeck/DensDeck Prime; ¾" Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor Barrier:</u> Self Adhered (Primer) <u>Thermal Barrier:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	385734-0-0
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISGOARD HD Comp.; ¼" thick DensDeck Prime/Securock <u>Insulation:</u> 2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> ¼" DensDeck/DensDeck Prime; ¾" Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor Barrier:</u> Self Adhered (Primer) <u>Thermal Barrier:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM	385738-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation – Adhere Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane Attachment	RoofNav Number
75 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" thick DensDeck Prime/Securock <u>Insulation:</u> 2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> ¼" DensDeck/DensDeck Prime; ⅜" Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor Barrier:</u> Self Adhered (Primer) <u>Thermal Barrier:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	385746-0-0
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" thick DensDeck Prime/Securock <u>Insulation:</u> 2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier (Optional):</u> ¼" DensDeck/DensDeck Prime; ⅜" Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 8 Fasteners/Plates per board Heavy-Duty <u>Thermal Barrier (Optional):</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	385735-0-0
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISGOARD HD Comp.; ¼" thick DensDeck Prime/Securock <u>Insulation:</u> 2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier (Optional):</u> ¼" DensDeck/DensDeck Prime; ⅜" Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 8 Fasteners/Plates per board Heavy-Duty <u>Thermal Barrier (Optional):</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	385739-0-0
90 PSF Slope: ¾" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISGOARD HD Comp.; <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 4" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 16 Fasteners/Plates per board Heavy-Duty <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> FullForce EPDM RubberGard EPDM SA	374376-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation – Adhere Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane Attachment	RoofNav Number
90 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISGOARD HD Comp.; ¼" thick DensDeck Prime/Securock <u>Insulation:</u> 2.2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier (Optional):</u> ¼" DensDeck/DensDeck Prime; ⅜" Securock	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 8 Fasteners/Plates per board Heavy-Duty <u>Thermal Barrier (Optional):</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	384818-0-0
90 PSF Slope: ¾" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISGOARD HD Comp. <u>Insulation:</u> 2.2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> ¼" DensDeck/DensDeck Prime; ⅜" Securock	<u>Cover Board:</u> 12" o.c. beads ISO Spray R ISO Twin Pack <u>Insulation:</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor Barrier:</u> Self Adhered (Primer) <u>Thermal Barrier:</u> CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	384830-0-0
270 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel (WR) 18-22 ga 72" span 80 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISGOARD HD Comp.; <u>Insulation:</u> 2" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 4" o.c. beads ISO Fix II ISO Spray R ISO Twin Pack ISO Stick Twin Jet <u>Insulation:</u> 32 Fasteners/Plates per board Heavy-Duty <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA	320242-0-0

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Steel Deck, New Construction – Attached Insulation/Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane Attachment	RoofNav Number
90 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" min. DensDeck Prime ½" min. Securock <u>Insulation:</u> 1" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 12 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Coating (Optional):</u> AcryliTop PC-100 Coat <u>Membrane:</u> RubberGard EPDM SA FullForce EPDM	265581-0-0
90 PSF Slope: ¾" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation:</u> 1" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 12 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	RubberGard EPDM SA FullForce EPDM	374373-0-0
105 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel (WR) 18-22 ga 72" span 33 ksi	<u>Cover Board:</u> ¼" min. DensDeck Prime <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck; BaseGard SA* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 18 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Membrane:</u> RubberGard EPDM SA FullForce EPDM	394347-0-0
135 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel (WR) 18-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" min. DensDeck Prime <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck; BaseGard SA* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 18 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Membrane:</u> RubberGard EPDM SA FullForce EPDM	395778-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation/Cover Board – Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane Attachment	RoofNav Number
150 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel (WR) 18-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" min. DensDeck Prime <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck; BaseGard SA* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 20 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Membrane:</u> RubberGard EPDM SA FullForce EPDM	395779-0-0
150 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel (WR) 18-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" min. DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 24 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Membrane:</u> RubberGard EPDM SA FullForce EPDM	200396-0-0
210 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel (WR) 22 ga 64" span 33 ksi	<u>Cover Board:</u> ½" min. DensDeck Prime/Securock <u>Insulation:</u> 1.5" - 12" thick ISO 95+ GL (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 32 Fasteners/Plates per board Heavy-Duty <u>Insulation:</u> CF <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Membrane:</u> RubberGard EPDM SA FullForce EPDM	200397-0-0

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings
Steel Deck, New Construction – Attached Insulation - Adhered Insulation/Cover Board - Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISOGARD HD Comp.; ¼" min. DensDeck Prime; ¼" min. Securock <u>Insulation (Top):</u> ½" - 9.8" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 2" - 4" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> ¼" min. DensDeck; ¼" min. DensDeck Prime; ⅜" min. Securock	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Bottom):</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor Barrier:</u> Self-Adhered <u>Thermal Barrier (Optional):</u> CF	<u>Membrane:</u> RubberGard EPDM SA	385736-0-0
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISOGARD HD Comp.; ¼" min. DensDeck Prime; ¼" min. Securock <u>Insulation (Top):</u> ½" - 9.8" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 2" - 4" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier (Optional):</u> ¼" min. DensDeck; ¼" min. DensDeck Prime; ¼" min. Securock	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Bottom):</u> 8 Fasteners/Plates per board Heavy-Duty <u>Thermal Barrier (Optional):</u> CF	<u>Membrane:</u> RubberGard EPDM SA	385737-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation - Adhered Insulation/Cover Board - Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISOGARD HD Comp.; <u>Insulation (Top):</u> ½" - 8" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 2" - 4" thick ISO 95+ GL/Resista (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Bottom):</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Membrane:</u> RubberGard EPDM SA	387705-0-0
90 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISOGARD HD Comp.; ¼" min. DensDeck Prime; ¼" min. Securock <u>Insulation (Top):</u> ½" - 9.8" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 2.2" - 4" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> ¼" min. DensDeck; ¼" min. DensDeck Prime; ⅜" min. Securock	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Bottom):</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor Barrier:</u> Self-Adhered <u>Thermal Barrier:</u> CF	<u>Membrane:</u> RubberGard EPDM SA	409207-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation - Adhered Insulation/Cover Board - Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
90 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISOGARD HD Comp.; ¼" min. DensDeck Prime; ¼" min. Securock <u>Insulation (Top):</u> ½" - 9.8" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 2.2" - 4" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier (Optional):</u> ¼" min. DensDeck; ¼" min. DensDeck Prime; ⅜" min. Securock	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Bottom):</u> 8 Fasteners/Plates per board Heavy-Duty <u>Thermal Barrier:</u> CF	<u>Membrane:</u> RubberGard EPDM SA	409208-0-0
90 PSF Slope: ¾" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISOGARD HD Comp. <u>Insulation (Top):</u> ½" - 9.8" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 2.2" - 4" thick ISO 95+ GL/Resista (F/T) <u>Vapor Barrier:</u> V-Force w/ Primer <u>Thermal Barrier:</u> ¼" min. DensDeck	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Bottom):</u> 8 Fasteners/Plates per board Heavy-Duty <u>Vapor Barrier:</u> Self-Adhered <u>Thermal Barrier (Optional):</u> CF	<u>Membrane:</u> RubberGard EPDM SA	384836-0-0

Continued

Firestone RubberGard EPDM Self-Adhered (SA) and/or FullForce – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation - Adhered Insulation/Cover Board - Self Adhered Membrane

Uplift	Deck	Cover Board and Insulation	Cover Board and Insulation Attachment	Membrane	RoofNav Number
90 PSF Slope: ¾" IF: 1 EF: A Hail: SH	Steel 16-22 ga 72" span 33 ksi	<u>Cover Board:</u> ½" ISOGARD HD; 1" – 2.5" ISOGARD HD Comp. <u>Insulation (Top):</u> ½" - 9.8" thick ISO 95+ GL/Resista (F/T) <u>Insulation (Bottom):</u> 2.2" - 4" thick ISO 95+ GL/Resista (F/T) <u>Thermal Barrier (Optional):</u> ¼" min. DensDeck	<u>Cover Board:</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Top):</u> 12" o.c. beads ISO Fix II ISO Spray R Twin Pack ISO Stick Twin Jet <u>Insulation (Bottom):</u> 8 Fasteners/Plates per board Heavy-Duty <u>Thermal Barrier (Optional):</u> CF	<u>Membrane:</u> RubberGard EPDM SA	384837-0-0
210 PSF Slope: 1" IF: 1 EF: A Hail: SH	Steel (WR) 22 ga 64" span 33 ksi	<u>Cover Board:</u> 1.5" - 4" HailGard; 7/16" OSB (APA Rated) <u>Insulation (Top):</u> 1.5" - 4" thick ISO 95+ GL (F/T) <u>Insulation (Bottom):</u> 2" - 4" thick ISO 95+ GL (F/T) <u>Vapor/Thermal Barrier (Optional):</u> 4 or 6 mil. Poly.; V-Force* over ¼" DensDeck *primer may be required	<u>Cover Board:</u> 6" o.c. beads ISO Spray R <u>Insulation (Top):</u> 6" o.c. beads ISO Spray R <u>Insulation (Bottom):</u> 32 Fasteners/Plates per board Heavy-Duty <u>Vapor/Thermal Barrier (Optional):</u> Loose Laid/Tape; Self Adhered/CF	<u>Membrane:</u> RubberGard EPDM SA FullForce EPDM	308040-0-0

Firestone FullForce EPDM – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation - Self Adhered Membrane

Uplift	Deck	Insulation	Vapor and/or Thermal Barrier	Insulation Attachment	RoofNav Number
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 22 - 16 ga 72" span 33 ksi	<u>Insulation:</u> 2" - 12" thick ISO 95+ GL (F/T)	<u>Vapor/Thermal Barrier:</u> V-Force* over ¼" DensDeck *primer may be required	<u>Insulation:</u> 8 HD Fasteners/Plates per board <u>Vapor/Thermal Barrier:</u> Self Adhered/CF	385742-0-0
		<u>Insulation:</u> 2" - 12" thick ISO 95+ GL (F/T)	<u>Vapor/Thermal Barrier:</u> V-Force* over ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock *primer may be required		385762-0-0
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 22 - 16 ga 72" span 33 ksi	<u>Insulation:</u> 2" - 12" thick ISO 95+ GL (F/T)	<u>Thermal Barrier:</u> ¼" min. DensDeck or DensDeck Prime	<u>Insulation:</u> 8 HD Fasteners/Plates per board <u>Thermal Barrier:</u> CF	385743-0-0
90 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 22 - 16 ga 72" span 33 ksi	<u>Insulation:</u> 2.2" - 12" thick ISO 95+ GL (F/T)	<u>Vapor/Thermal Barrier:</u> V-Force* over ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock *primer required	<u>Insulation:</u> 8 HD Fasteners/Plates per board <u>Thermal Barrier:</u> CF	384822-0-0
			<u>Optional Thermal Barrier:</u> ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock		384823-0-0
90 PSF Slope: ¾" IF: 1 EF: A Hail: SH	Steel 22 - 16 ga 72" span 33 ksi	<u>Insulation:</u> 2.2" - 12" thick ISO 95+ GL (F/T)	<u>Vapor/Thermal Barrier:</u> V-Force* over ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock *primer required	<u>Insulation:</u> 8 HD Fasteners/Plates per board <u>Thermal Barrier:</u> CF	384842-0-0
			<u>Optional Thermal Barrier:</u> ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock		384843-0-0

Firestone FullForce EPDM – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation – Adhered Insulation - Self Adhered Membrane

Uplift	Deck	Insulation	Vapor and/or Thermal Barrier	Insulation Attachment	RoofNav Number
75 PSF Slope: 1/2" IF: 1 EF: A Hail: SH	Steel 22 - 16 ga 72" span 33 ksi	<u>Insulation (Top):</u> 1/2" - 9.8" thick ISO 95+ GL or Resista (F/T) <u>Insulation (Bottom):</u> 2" - 4" thick ISO 95+ GL or Resista (F/T)	<u>Vapor Barrier:</u> V-Force primer required <u>Thermal Barrier:</u> 1/4" DensDeck; 1/4" DensDeck Prime; 3/8" Securock	<u>Insulation (Top):</u> 12" o.c. beads ISO Fix II, ISO Spray R, Twin Pack, ISO Stick, Twin Jet <u>Insulation (Bottom):</u> 8 HD Fasteners/Plates per board <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> CF	385740-0-0
			<u>Optional Thermal Barrier:</u> 1/4" DensDeck; 1/4" DensDeck Prime; 3/8" Securock	<u>Insulation (Top):</u> 12" o.c. beads ISO Fix II, ISO Spray R, Twin Pack, ISO Stick, Twin Jet <u>Insulation (Bottom):</u> 8 HD Fasteners/Plates per board <u>Optional Thermal Barrier:</u> CF	385741-0-0
75 PSF Slope: 3/4" IF: 1 EF: A Hail: SH	Steel 22 - 16 ga 72" span 33 ksi	<u>Insulation (Top):</u> 1/2" - 9.8" thick ISO 95+ GL or Resista (F/T) <u>Insulation (Bottom):</u> 2" - 4" thick ISO 95+ GL or Resista (F/T)	<u>Vapor Barrier:</u> V-Force primer required <u>Thermal Barrier:</u> 1/4" DensDeck; 1/4" DensDeck Prime; 3/8" Securock	<u>Insulation (Top):</u> 12" o.c. beads ISO Fix II, ISO Spray R, Twin Pack, ISO Stick, Twin Jet <u>Insulation (Bottom):</u> 8 HD Fasteners/Plates per board <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> CF	385760-0-0
			<u>Optional Thermal Barrier:</u> 1/4" DensDeck; 1/4" DensDeck Prime; 3/8" Securock	<u>Insulation (Top):</u> 12" o.c. beads ISO Fix II, ISO Spray R, Twin Pack, ISO Stick, Twin Jet <u>Insulation (Bottom):</u> 8 HD Fasteners/Plates per board <u>Optional Thermal Barrier:</u> CF	385761-0-0

Continued

Firestone FullForce EPDM – Fully Adhered Uplift Ratings

Steel Deck, New Construction – Attached Insulation – Adhered Insulation - Self Adhered Membrane

Uplift	Deck	Insulation	Vapor and/or Thermal Barrier	Insulation Attachment	RoofNav Number
90 PSF Slope: ½" IF: 1 EF: A Hail: SH	Steel 22 - 16 ga 72" span 33 ksi	<u>Insulation (Top):</u> ½" - 9.8" thick ISO 95+ GL or Resista (F/T) <u>Insulation (Bottom):</u> 2.2" - 4" thick ISO 95+ GL or Resista (F/T)	<u>Vapor Barrier:</u> V-Force primer required <u>Thermal Barrier:</u> ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock	<u>Insulation (Top):</u> 12" o.c. beads ISO Fix II, ISO Spray R, Twin Pack, ISO Stick, Twin Jet <u>Insulation (Bottom):</u> 8 HD Fasteners/Plates per board <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> CF	384820-0-0
			<u>Optional Thermal Barrier:</u> ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock	<u>Insulation (Top):</u> 12" o.c. beads ISO Fix II, ISO Spray R, Twin Pack, ISO Stick, Twin Jet <u>Insulation (Bottom):</u> 8 HD Fasteners/Plates per board <u>Optional Thermal Barrier:</u> CF	348821-0-0
90 PSF Slope: ¾" IF: 1 EF: A Hail: SH	Steel 22 - 16 ga 72" span 33 ksi	<u>Insulation (Top):</u> ½" - 9.8" thick ISO 95+ GL or Resista (F/T) <u>Insulation (Bottom):</u> 2.2" - 4" thick ISO 95+ GL or Resista (F/T)	<u>Vapor Barrier:</u> V-Force primer required <u>Thermal Barrier:</u> ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock	<u>Insulation (Top):</u> 12" o.c. beads ISO Fix II, ISO Spray R, Twin Pack, ISO Stick, Twin Jet <u>Insulation (Bottom):</u> 8 HD Fasteners/Plates per board <u>Vapor Barrier:</u> Self Adhered <u>Thermal Barrier:</u> CF	384840-0-0
			<u>Optional Thermal Barrier:</u> ¼" DensDeck; ¼" DensDeck Prime; ⅜" Securock	<u>Insulation (Top):</u> 12" o.c. beads ISO Fix II, ISO Spray R, Twin Pack, ISO Stick, Twin Jet <u>Insulation (Bottom):</u> 8 HD Fasteners/Plates per board <u>Optional Thermal Barrier:</u> CF	384841-0-0

Firestone RubberGard MAX – Metal Building Re-cover

Standing/Lap Seam Roof (Insulated), Attached Insulation – RMA/Batten Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
105 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation (Top):</u> ½" - 1" thick ISO 95+ GL or Resista (F/T)	<u>Insulation (Top):</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 10' rows, 6" o.c. Polymer Batten Strip Purlin Fastener	304997-0-0
	<u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation.			304998-0-0
	<u>Insulation (Top):</u> ½" thick ISOGARD HD <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation.	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Top):</u> CF <u>Insulation (Flute):</u> Loose Laid		386974-0-0
105 PSF Slope: ½" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" thick ISOGARD HD <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation.	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 10' rows, 6" o.c. Polymer Batten Strip Purlin Fastener	304999-0-0

Standing/Lap Seam Roof (Insulated), Attached Insulation – RMA/Batten Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
105 PSF Slope: 2.5" IF: 1 EF: A Hail: SH	<u>Insulation (Top):</u> ½" - 1" thick ISO 95+ GL (F/T) <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation.	<u>Insulation (Top):</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX FR	305000-0-0
	<u>Cover Board:</u> ¼" min. DensDeck, DensDeck Prime or Securock <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation.	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Attachment:</u> QuickSeam R.M.A. Strip 10' rows, 6" o.c. Polymer Batten Strip Purlin Fastener	305002-0-0
105 PSF Slope: 3" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ¼" min. Securock <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation.	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX FR <u>Attachment:</u> QuickSeam R.M.A. Strip 10' rows, 6" o.c. Polymer Batten Strip Purlin Fastener	312633-0-0
105 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation (Top):</u> ½" - 4" thick ISO 95+ GL or Resista (F/T) <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation.	<u>Insulation (Top):</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 114" rows, 6" o.c. Metal Batten Strip Purlin Fastener	423013-0-0

Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – RMA/Batten Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
60 PSF Slope: ½" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" Structodek; ¼" min. DensDeck, DensDeck Prime or Securock <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 8' rows, 12" o.c. Metal Batten Strip Purlin Fastener	304997-0-0
	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL Max thickness not to exceed 12"			427686-0-0

Continued

Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – RMA/Batten Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
60 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation	<u>Insulation (Top):</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 8' rows, 12" o.c. Metal Batten Strip Purlin Fastener	427713-0-0
75 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation	<u>Insulation (Top):</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 72" rows, 12" o.c. Metal Batten Strip Purlin Fastener	427715-0-0
75 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 72" rows, 12" o.c. Metal Batten Strip Purlin Fastener	427688-0-0
75 PSF Slope: ½" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" Structodek; ¼" min. DensDeck, DensDeck Prime or Securock <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 60 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 72" rows, 12" o.c. Metal Batten Strip Purlin Fastener	427663-0-0
90 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 114" rows, 6" o.c. Metal Batten Strip Purlin Fastener	427072-0-0

Continued

Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – RMA/Batten Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
90 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation:</u> ½" ISO GARD HD <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation	<u>Insulation (Top):</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 114" rows, 6" o.c. Metal Batten Strip Purlin Fastener	427074-0-0
90 PSF Slope: ½" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" Structodek; ¼" min. DensDeck, DensDeck Prime or Securock <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 114" rows, 6" o.c. Metal Batten Strip Purlin Fastener	427070-0-0

Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – RMA/Plate and Fastener Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
60 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" ISO GARD HD <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL/Resista Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 60 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 5' rows, 12" o.c. HD Seam Plate Purlin Fastener	427692-0-0
60 PSF Slope: ½" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" Structodek; ¼" min. DensDeck, DensDeck Prime or Securock <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL/Resista Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> QuickSeam R.M.A. Strip 5' rows, 12" o.c. HD Seam Plate Purlin Fastener	427679-0-0

Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – Fastener and Batten Strip Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
60 PSF Slope: ½" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" Structodek; ¼" min. DensDeck, DensDeck Prime or Securock <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL/Resista Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Metal Batten Strip 84" rows, 12" o.c. HD Seam Plate Purlin Fastener	427667-0-0
60 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL/Resista Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Metal Batten Strip 84" rows, 12" o.c. HD Seam Plate Purlin Fastener	427702-0-0
60 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation	<u>Insulation:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Metal Batten Strip 84" rows, 12" o.c. HD Seam Plate Purlin Fastener	427728-0-0
105 PSF Slope: ½" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" Structodek; ¼" min. DensDeck, DensDeck Prime or Securock <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL/Resista Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Polymer Batten Strip 84" rows, 6" o.c. Purlin Fastener	427670-0-0
105 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL/Resista Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Polymer Batten Strip 84" rows, 6" o.c. Purlin Fastener	427706-0-0
105 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation:</u> ½" ISOGARD HD <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation	<u>Insulation:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Polymer Batten Strip 84" rows, 6" o.c. Purlin Fastener	427731-0-0

Continued

Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – Fastener and Batten Strip Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
135 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation:</u> ½" ISO GARD HD <u>Insulation (Flute):</u> Min. 1" ISO 95+ GL Max thickness not to exceed the SSR rib or corrugation	<u>Insulation:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Metal Batten Strip 84" rows, 6" o.c. Purlin Fastener	427734-0-0
135 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" ISO GARD HD <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL/Resista Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Metal Batten Strip 84" rows, 6" o.c. Purlin Fastener	427709-0-0
135 PSF Slope: ½" IF: 1 EF: A Hail: SH	<u>Cover Board:</u> ½" Structodek; ¼" min. DensDeck, DensDeck Prime or Securock <u>Insulation (Flute):</u> 1" - 12" ISO 95+ GL/Resista Max thickness not to exceed 12"	<u>Cover Board:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX or MAX PT <u>Attachment:</u> Metal Batten Strip 84" rows, 6" o.c. Purlin Fastener	427674-0-0

Standing/Lap Seam Roof (Un-Insulated), Attached Insulation – Plate/Fastener Attached Membrane

Uplift	Insulation	Insulation Attachment	Membrane Attachment	RoofNav Number
105 PSF Slope: ¼" IF: 1 EF: A Hail: SH	<u>Insulation (Top):</u> ½" - 4" ISO 95+ GL or Resista (F/T) <u>Insulation (Flute):</u> Min. 1" - 4" ISO 95+ GL or Resista Max thickness not to exceed the SSR rib or corrugation	<u>Insulation:</u> Presecurement (FM LPDS 1-29) <u>Insulation (Flute):</u> Loose Laid	<u>Membrane:</u> Min. 45 mil. RubberGard MAX <u>Attachment:</u> Metal Batten Strip 84" rows, 6" o.c. HD Seam Plate Purlin Fastener	423011-0-0
			<u>Membrane:</u> Min. 60 mil. RubberGard MAX <u>Attachment:</u> Metal Batten Strip 114" rows, 6" o.c. HD Seam Plate Purlin Fastener	422822-0-0

Factory Mutual Ballast Guidelines

Stone Ballast

ASTM D448 — Standard Size No. 3 for Coarse Aggregate (nominal 1 to 2 in. [25 to 50 mm] diameter). This standard permits amounts (by weight percent) to pass through the square sieve openings as shown in Table 6.

Table 6. Gradation for No. 3 Stone

Size Number	Nominal Size in. (mm)	Sieve Opening in. (mm)					
		2 ½ (63)	2 (50)	1 ½ (38)	1 (25)	¾ (19)	½ (13)
3	1 to 2 (25 - 50)	100	90 to 100	35 to 70	0 to 15	--	0 to 5

Per FM Global Loss Prevention Data Sheet 1-29:

Please refer to this LPDS for full FM requirements as they relate to ballasted roofing systems.

2.2.10.17.1 FM Approvals does not Approve ballasted systems. If a ballasted system is to be used, select components that are FM Approved for use together as shown in a specific RoofNav assembly. In lieu of fasteners or adhesives used to secure above-deck components, use ballast in accordance with this data sheet to provide wind resistance.

- Do not use any aggregate surfacing, such as pea gravel or slag surfacing or crushed stone, in (a) regions prone to tropical cyclones and where the wind speed per D.S. 1-28 is ≥ 100 mph (≥ 45 m/s), or (b) in other regions on buildings taller than that defined in Table 7. Where added protection for the roof cover is needed, such as near major fire walls, concrete paver blocks can be used.
- Do not use stone-ballasted roofs on the following:
 - A. Buildings taller than 150' (46 m)
 - B. In areas prone to tropical cyclones
 - C. In areas with design wind speeds ≥ 100 mph (45 m/s) (see Data Sheet 1-28, Wind Design)
 - D. Beyond the acceptable limits shown in Tables 12 and 13

NOTE: These limitations do not apply to paver ballasted systems.

Perimeter and Corners on ballast roof:

- For ballast application only, the roof perimeter and corner dimensions should be equal to at least 40% of the mean roof height, but not less than 8.5' (2.6 m) or 4% of the lesser plan dimension.
 - Have the load capacity of the roof verified by a registered civil or structural engineer. The structure must be capable of supporting the dead weight of the roof system and ballast considering other gravity loads, without creating or aggravating a ponding problem.
 - Ensure the roof slope is no more than 10°, 2"/ft (167 mm/m).

Ballast Weight:*Table 12. Weight Needed of No. 3 Round Stone Ballast, Parapet ≤ 36 in. (914 mm)*

Uplift Pressure (psf) Data Sheet 1-28	Ballast Weight, (psf)					
	Steel or Pre-Cast Panel Deck			Cementitious Wet Fill Deck		
	Field	Peri.	Cors.	Field	Peri.	Cors.
≤ 20	10	12	15	10	10	10
21 to 25	12	15	15	10	12	12
26 to 30	12	15	18	12	12	15
31 to 35	Use FM Approved 1-90 System			12	15	18
36 to 45	Use FM Approved 1-90 System			Use FM Approved 1-90 System		

Table 13. Weight Needed of No. 3 Round Stone Ballast, Parapet > 36 in. (914 mm)

Uplift Pressure (psf) Data Sheet 1-28	Ballast Weight, psf					
	Steel or Pre-Cast Panel Deck			Cementitious Wet Fill Deck		
	Field	Peri.	Cors.	Field	Peri.	Cors.
≤ 20	10	10	12	10	10	10
21 to 25	12	12	12	10	10	12
26 to 30	12	12	15	12	12	12
31 to 35	12	15	18	12	12	15
36 to 45	Use FM Approved 1-90 System			15	15	18

NOTE:

1. For all tables, to convert to kg/m², multiply by 4.88.
2. Uplift pressure is that determined from Data Sheet 1-28, Wind Design, and is not factored.
3. Paver Weight requirements can be found in LPDS 1-29.