



**EXTERIOR RESEARCH & DESIGN, LLC.**

*Certificate of Authorization #9503*

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**EVALUATION REPORT**

**Firestone Building Products Company, LLC.**

250 West 96<sup>th</sup> Street  
Indianapolis, IN 46260

**(317) 575-7017**

**Evaluation Report F8970.02.08-1-R9**

**FL10284-R9**

**Date of Issuance: 02/11/2008**

**Revision 9: 09/30/2017**

**SCOPE:**

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **6<sup>th</sup> Edition (2017) Florida Building Code** sections noted herein.

**DESCRIPTION: Firestone RubberGard EPDM Single Ply Roof Systems**

**LABELING:** Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein.

**CONTINUED COMPLIANCE:** This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. if the product changes or the referenced Quality Assurance documentation changes. Trinity|ERD requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

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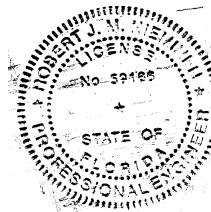
**INSPECTION:** Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 4, plus a 50-page Appendix.

**Prepared by:**

**Robert J.M. Nieminen, P.E.**

*Florida Registration No. 59166, Florida DCA ANE1983*



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 09/30/2017. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

1. Exterior Research & Design, LLC. d/b/a Trinity | ERD does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. Exterior Research & Design, LLC. d/b/a Trinity | ERD is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

## ROOFING SYSTEMS EVALUATION:

### 1. SCOPE:

**Product Category:** Roofing

**Sub-Category:** Single Ply Roof Systems

**Compliance Statement:** Firestone RubberGard EPDM Single Ply Roof Systems, as produced by Firestone Building Products Company, LLC, have demonstrated compliance with the following sections of the 6<sup>th</sup> Edition (2017) Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

### 2. STANDARDS:

<u>Section</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
1504.3.1	Wind	FM 4474	2011
1504.7	Impact	FM 4470	2012
1507.12.2	Physical Properties	ASTM D4637	2013
1504.3.1	Wind	UL 1897	2012

### 3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
ERD (TST1867)	FM 4470/4474	F12260.02.09-2	02/04/2009
ERD (TST1867)	Physical Properties	F9240.07.08-R2	07/10/2009
ERD (TST1867)	Physical Properties	F9240.11.08-R1	07/10/2009
ERD (TST1867)	Physical Properties	F9240.03.09-R2	07/30/2009
ERD (TST1867)	Physical Properties	F13260.08.09-1	08/07/2009
ERD (TST1867)	Physical Properties	F31910.04.10	04/08/2010
ERD (TST1867)	FM 4470/4474	F13950.05.10	05/05/2010
ERD (TST1867)	Physical Properties	F45950.05.14	05/13/2014
ERD (TST1867)	Physical Properties	F45950.07.14-1	03/30/2015
ERD (TST1867)	Physical Properties	F45950.03.15-4	04/08/2015
FM Approvals (TST1867)	FM 4470	1V1A7.AM	06/25/1992
FM Approvals (TST1867)	FM 4470	1W3A4.AM	12/01/1992
FM Approvals (TST1867)	FM 4470	1T7A3.AM	01/18/1992
FM Approvals (TST1867)	FM 4470	1V6A9.AM	02/27/1992
FM Approvals (TST1867)	FM 4470	2W6A2.AM	06/25/1993
FM Approvals (TST1867)	FM 4470	2X9A8.AM	06/14/1994
FM Approvals (TST1867)	FM 4470	3010822	07/31/2002
FM Approvals (TST1867)	FM 4470	3011282	08/08/2002
FM Approvals (TST1867)	FM 4470	3014031	07/22/2002
FM Approvals (TST1867)	FM 4470/4474	3014538	05/27/2004
FM Approvals (TST1867)	FM 4470/4474	3014826	10/07/2002
FM Approvals (TST1867)	FM 4470/4474	3014874	08/16/2004
FM Approvals (TST1867)	FM 4470/4474	3015479	06/04/2004
FM Approvals (TST1867)	FM 4470/4474	3031944	08/12/2008
FM Approvals (TST1867)	FM 4470/4474	3033218	08/12/2008
FM Approvals (TST1867)	FM 4470/4474	3034561	12/08/2008
FM Approvals (TST1867)	FM 4470/4474	3033921	01/12/2009
FM Approvals (TST1867)	FM 4470/4474	3035774	03/05/2009
FM Approvals (TST1867)	FM 4470/4474	3035017	04/15/2009
FM Approvals (TST1867)	FM 4470/4474	3036256	04/27/2009
FM Approvals (TST1867)	FM 4470/4474	797-04929-267	09/25/2009
FM Approvals (TST1867)	FM 4470/4474	797-05257-267	02/16/2010
FM Approvals (TST1867)	FM 4470/4474	3036586	02/22/2010
FM Approvals (TST1867)	FM 4470/4474	797-05416-267	04/05/2010
FM Approvals (TST1867)	FM 4470/4474	797-05839-267	09/08/2010
FM Approvals (TST1867)	FM 4470/4474	797-05838-267	09/24/2010

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
FM Approvals (TST1867)	FM 4470/4474	3038442	11/18/2010
FM Approvals (TST1867)	FM 4470/4474	3038546	12/17/2010
FM Approvals (TST1867)	FM 4470/4474	3036183	12/23/2010
FM Approvals (TST1867)	FM 4470/4474	3041535	06/08/2011
FM Approvals (TST1867)	FM 4470/4474	3041949	06/10/2011
FM Approvals (TST1867)	FM 4470/4474	3042909	08/03/2011
FM Approvals (TST1867)	FM 4470/4474	3038191	08/04/2011
FM Approvals (TST1867)	FM 4470/4474	3038770	08/04/2011
FM Approvals (TST1867)	FM 4470/4474	797-06739-267	9/13/2011
FM Approvals (TST1867)	FM 4470/4474	797-06758-267	9/21/2011
FM Approvals (TST1867)	FM 4470/4474	3036639	11/22/2011
FM Approvals (TST1867)	FM 4470/4474	3043994	2/15/2012
FM Approvals (TST1867)	FM 4470/4474	797-07104-267	3/19/2012
FM Approvals (TST1867)	FM 4470/4474	3044429	4/12/2012
FM Approvals (TST1867)	FM 4470/4474	3044047	5/17/2012
FM Approvals (TST1867)	FM 4470/4474	3045334	6/11/2012
FM Approvals (TST1867)	FM 4470/4474	3041939	8/14/2012
FM Approvals (TST1867)	FM 4470/4474	797-07749-267	10/4/2012
FM Approvals (TST1867)	FM 4470/4474	3044008	12/19/2012
FM Approvals (TST1867)	FM 4470/4474	3046870	3/22/2013
FM Approvals (TST1867)	FM 4470/4474	797-08294-267	4/26/2013
FM Approvals (TST1867)	FM 4470/4474	797-08339-267	5/10/2013
FM Approvals (TST1867)	FM 4470/4474	3049316	5/30/2013
FM Approvals (TST1867)	FM 4470/4474	3047398	8/15/2013
FM Approvals (TST1867)	FM 4470/4474	797-09105-267	1/22/2014
UL (TST1740)	UL 1897	10CA20078	11/20/2010
UL LLC (QUA 9625)	Quality Control	Service Confirmation	Exp.09/11/2020

#### 4. PRODUCT DESCRIPTION:

The following roof covers are mechanically attached or fully adhered to Approved substrates using fasteners, stress plates and adhesives, as outlined in the Limitations / Conditions of Use herein.

- 4.1 **STANDARD RUBBERGARD, FIRE-RETARDANT RUBBERGARD AND RUBBERGARD LS-FR** are a nominal 45-mil (1.1 mm) or 60-mil (1.5 mm) thick, non-reinforced Ethylene Propylene Diene Monomer based roof membranes.
- 4.2 **RUBBERGARD LS-FR PT** is a nominal 60-mil (1.5 mm) thick, non-reinforced Ethylene Propylene Diene Monomer based roof membrane with a 3-inch wide tape, factory-applied seam tape.
- 4.3 **RUBBERGARD PLATINUM** is a nominal 90-mil (2.2 mm) thick, non-reinforced, Ethylene Propylene Diene Monomer based roof membrane.
- 4.4 **RUBBERGARD MAX AND RUBBERGARD MAX FR** are a nominal 45-mil (1.1 mm), 60-mil (1.5 mm) or 75-mil (1.9 mm) thick, internally-reinforced Ethylene Propylene Diene Monomer based roof membranes.
- 4.5 **RUBBERGARD MAX PT** are nominal 45-mil (1.1 mm) or 60-mil (1.5 mm) thick, internally-reinforced Ethylene Propylene Diene Monomer based roof membranes with a 3-inch wide tape, factory-applied seam tape.
- 4.6 **RUBBERGARD ECOWHITE™** is a nominal 60-mil (1.5 mm) or 90-mil (2.2 mm) thick, non-reinforced, bi-laminate, white-on-black, cured roof membrane.
- 4.6 **RUBBERGARD ECOWHITE™ PT** is a nominal 60-mil (1.5 mm) or 90-mil (2.2 mm) thick, non-reinforced, bi-laminate, white-on-black, cured roof membrane with a 3-inch wide tape, factory-applied seam tape.

## 5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither Trinity|ERD nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC HVHZ jurisdictions.
- 5.3 Fire classification does not form part of this Evaluation Report. Refer to a current Roofing Materials Directory for fire ratings of this product.
- 5.4 For steel deck installations, foam plastic insulation shall be separated from the building interior in accordance with **FBC 2603.4** unless the exceptions stated in **FBC 2603.4.1** or **2603.6** apply.
- 5.5 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. Load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.
- 5.6 For recover installations, the existing roof shall be examined in accordance with **FBC 1511**.
- 5.7 For mechanically attached insulation or membrane or strip-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with FBC Chapter 16. Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117** and **Roofing Application Standard RAS 137**. Assemblies marked with an asterisk\* carry the limitations set forth in Section 2.2.10.1 of **FM Loss Prevention Data Sheet 1-29 (January 2016)** for Zone 2/3 enhancements.
- 5.8 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC Chapter 16**. No rational analysis is permitted for these systems.
- 5.9 For mechanically attached insulation or membrane over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with **ANSI/SPRI FX-1** or **Testing Application Standard TAS 105**.
- 5.10 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1, ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.
- 5.11 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124**.
- 5.12 Metal edge attachment (except gutters), shall be designed and installed for wind loads in accordance with FBC Chapter 16 and tested for resistance in accordance with **ANSI/SPRI ES-1** or **Roofing Application Standard RAS 111**, except the basic wind speed shall be determined from **FBC Figure 1609.3(1), 1609.3(2)** or **1609.3(3)**.
- 5.13 All products in the roof assembly shall have quality assurance audit in accordance with the **F.A.C. Rule 61G20-3**.

**6. INSTALLATION:**

- 6.1 **Firestone RubberGard EPDM** shall be installed in accordance with **Firestone Building Products Company, LLC** published installation instructions, subject to the Limitations / Conditions of Use noted herein.
- 6.2 System attachment requirements for wind load resistance are set forth in Appendix 1. “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind pressures.
- 6.3 For mechanically fastened membrane systems (Type D) over profiled steel deck, membrane shall be installed running perpendicular to steel deck flutes.

**7. BUILDING PERMIT REQUIREMENTS:**

As required by the Building Official or Authority Having Jurisdiction in order to properly evaluate the installation of this product

**8. MANUFACTURING PLANTS:**

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements.

**9. QUALITY ASSURANCE ENTITY:**

UL LLC– QUA9625; (414) 248-6409; karen.buchmann@us.ul.com

**- THE 50-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -**

**APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE**

Table	Deck	Application	Type	Description	Page
1A	Wood	New, Reroof (Tear-Off), Recover	C	Mechanically Attached Insulation, Bonded Roof Cover	4-5
1B-1	Wood	New, Reroof (Tear-Off), Recover	D	Insulated, Mechanically Attached Roof Cover (Stress Plates)	6
1B-2	Wood	New, Reroof (Tear-Off), Recover	D	Insulated, Mechanically Attached Roof Cover (Battens)	6
2A-1	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	7-13
2A-2	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-2	Mech. Attached Base Insulation, Bonded Temp Roof, Bonded Top Insulation, Bonded Roof Cover	14
2B	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C	Mechanically Attached Insulation, Bonded Roof Cover	15-24
2C-1	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plates)	24
2C-2	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	25-26
2D	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-2	Insulated, Mechanically Attached Roof Cover (RMA Strips)	27
3A-1	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	28-36
4A	LWC	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	37-38
4B	LWC	New, Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	39
5A	CWF	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	40
5B	CWF	New, Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	40
5C	CWF	New, Reroof (Tear-Off)	C	Mechanically Attached Insulation, Bonded Roof Cover	40
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	41
6B	Gypsum	Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	42
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	43-48
7B	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	49
7C	Steel	Recover	D-2	Insulated, Mechanically Attached Roof Cover (RMA Strips)	50

**The following notes apply to the systems outlined herein:**

- The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. Load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.
- Unless otherwise noted, fasteners and stress plates for insulation attachment shall be as follows. Fasteners shall be of sufficient length for the following engagements:
  - Wood Deck: Firestone All-Purpose Fasteners with Firestone Insulation Fastening Plates or Firestone Pre-Assembled Fastener and Plate. Minimum ¾-inch plywood penetration or 1-inch wood plank embedment.
  - Steel Deck: Firestone All-Purpose or Heavy-Duty Fasteners with Firestone Insulation Fastening Plates or Firestone Pre-Assembled Fastener and Plate. Minimum ¾-inch steel penetration, engage the top flute of the steel deck.
  - Structural concrete: Firestone All-Purpose, Heavy-Duty or Concrete Drive Fasteners with Firestone Insulation Fastening Plates. Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions.
- Unless otherwise noted, insulation may be any one layer or a combination of polyisocyanurate, polystyrene, wood fiberboard, perlite or gypsum-based roof board that meets the QA requirements of F.A.C. Rule 61G20-3 and is documented as meeting FBC 1505.1 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- Minimum 200 psi, minimum 2-inch thick lightweight insulating concrete may be substituted for rigid insulation board for System Type D (mechanically attached membrane), whereby the membrane fasteners are installed through the LWIC to engage the structural steel or concrete deck. The structural deck shall be of equal or greater configuration to the steel and concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the AHJ. Load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.
- Preliminary insulation attachment for System Type D: Unless otherwise noted, refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29 (January 2016).

6. Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions:
- Firestone I.S.O. FIX II: Continuous ¾ to 1-inch wide ribbons, 12-inch o.c.
  - Firestone I.S.O. Twin Pack: Continuous ¼ to ¾-inch beads, 12-inch o.c.
  - Firestone I.S.O. Stick: Continuous ¾ to 1-inch wide ribbons, 12-inch o.c.
  - Firestone I.S.O. Spray S: Continuous ¾ to 1-inch wide ribbons, 12-inch o.c.
  - ICP CR-20: Continuous 2½ to 3½-inch ribbons, 12-inch o.c. (Note: TITESET may be used wherever 3M CR-20 is referenced.)
  - *Note: When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered.*
  - *Note: The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.*
7. Unless otherwise noted, all insulations are flat stock or taper board of the minimum thickness noted. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the table.
- Tapered ISO 95+ GL at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations.
- |                               |     |            |                       |
|-------------------------------|-----|------------|-----------------------|
| ➤ Firestone I.S.O. FIX II:    | MDP | -172.5 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Twin Pack: | MDP | -157.5 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Stick:     | MDP | -187.5 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Spray S:   | MDP | -172.5 psf | (Min. 0.5-inch thick) |
| ➤ ICP CR-20:                  | MDP | -117.5 psf | (Min. 1.0-inch thick) |
- Tapered RESISTA at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations.
- |   |     |            |                       |
|---|-----|------------|-----------------------|
| ➤ Firestone I.S.O. FIX II, 12-inch o.c.:    | MDP | -165.0 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. FIX II, 6-inch o.c.:     | MDP | -405.0 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Twin Pack, 12-inch o.c.: | MDP | -165.0 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Twin Pack, 6-inch o.c.:  | MDP | -405.0 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Stick, 12-inch o.c.:     | MDP | -165.0 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Stick, 6-inch o.c.:      | MDP | -405.0 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Spray S, 12-inch o.c.:   | MDP | -165.0 psf | (Min. 0.5-inch thick) |
| ➤ Firestone I.S.O. Spray S, 6-inch o.c.:    | MDP | -405.0 psf | (Min. 0.5-inch thick) |
8. Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.
9. For mechanically attached components or partially bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with FBC Chapter 16, and Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are ANSI/SPRI WD-1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137. Assemblies marked with an asterisk\* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (January 2016) for Zone 2/3 enhancements.
10. For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16, and no rational analysis is permitted.
11. For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105.
12. For existing substrates in a bonded recover or re-roof installation, the existing roof surface or existing roof deck shall be examined for compatibility and bond performance with the selected adhesive, and the existing roof system (for recover) shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with ANSI/SPRI IA-1, ASTM E907, FM Loss Prevention Data Sheet 1-52 or Testing Application Standard TAS 124.
13. For System Type D, steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes.
14. For Recover Applications using System Type D, the insulation is optional. Alternatively, ISOGARD HD, ISO 95+ GL, RESISTA, other polyisocyanurate, Dens Deck, Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board, ASTM C578 expanded or extruded polystyrene with slip sheet or wood fiberboard may be used as a separator board, preliminarily attached prior to roof cover installation. The existing roof system shall be suitable for a recover application.



15. Lightweight Insulating Concrete (LWC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWC is referenced, refer to current LWC Product Approval for specific deck construction and limitations. For systems where specific LWC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1.

16. Membrane adhesive application rates are as follows:

Membrane	Adhesive	Method	Rate
EPDM	EPDM Bonding Adhesive BA-2004(T)	Contact Application	45 to 60 ft <sup>2</sup> /gal
EPDM	Single-Ply LVOC Bonding Adhesive (LVOC BA)	Contact Application	45 to 60 ft <sup>2</sup> /gal
EPDM	Single-Ply LVOC Bonding Adhesive 1168 (LVOC BA1168)	Contact Application	45 to 60 ft <sup>2</sup> /gal
EPDM	Water Based Bonding Adhesive-P (WBBA-P)	Contact Application	100 to 120 ft <sup>2</sup> /gal.

17. Vapor barrier options for use over **structural concrete deck** followed by adhesive-applied insulation carry the following Maximum Design Pressure (MDP) limitations. Use the **lesser** of the MDP listings below vs. those in **Table 3A**.

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION PER TABLE 3A:					
Option #	Primer	Vapor Barrier		Insulation Adhesive (Note 6)	MDP (psf)
		Type	Application		
VB-1.	ASTM D41	Base Ply: MB Base, SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, APP 160 COOL, APP 170 COOL	Multi-Purpose MB Cold Adhesive, 1.5-2.0 gal/sq.	Multi-Purpose MB Cold Adhesive	-67.5*
VB-2.	None	MB Base	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Spray R, 12" o.c.	-240.0*
VB-3.	None	MB Base	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Twin Pack, 12" o.c.	-240.0*
VB-4.	None	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Spray R, 12" o.c.	-240.0*
VB-5.	None	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Twin Pack, 12" o.c.	-240.0*
VB-6.	ASTM D41	MB Base	I.S.O. Twin Pack, 4" o.c.	I.S.O. Twin Pack, 12-inch o.c.	-232.5*
VB-7.	ASTM D41	1 or 2 plies Ply IV or Ply VI or 1 ply MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	Hot asphalt	-120.0*
VB-8.	ASTM D41	1 or 2 plies Ply IV or Ply VI or 1 ply MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	I.S.O. Spray S, 6" o.c.	-255.0*
VB-9.	ASTM D41	1 or 2 plies Ply IV or Ply VI or 1 ply MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	I.S.O. Spray R or I.S.O. Twin Pack, 12" o.c.	-495.0*
VB-10.	ASTM D41	SBS-TA; SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth	Torch-applied	I.S.O. Spray R or I.S.O. Twin Pack, 12" o.c.	-495.0*
VB-11.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Spray R, 12" o.c.	-255.0*
VB-12.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Stick, 12" o.c.	-262.5*
VB-13.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Twin Pack, 12" o.c.	-255.0*

18. For membrane attachment using batten-strips, batten-strip end laps shall be spliced with sufficient dimension to allow for minimum 2-fasteners at each batten-strip lap. Side laps shall sealed in accordance with Firestone requirements:

Membrane	Primer	Adhesive
Standard, FR, LS-FR, Platinum, Max, Max FR	Splice Wash SW-100 or Single-Ply LVOC Splice Wash	RubberGuard SA-1065
Standard, FR, LS-FR, Platinum, Max, Max FR	QuickPrime Plus, QuickPrime Plus LVOC, Single-Ply QuickPrime Primer, Single-Ply LVOC Primer	QuickSeam Splice Tape
LS-FR PT, Platinum PT, Max PT	QuickPrime Plus, QuickPrime Plus LVOC, Single-Ply QuickPrime Primer, Single-Ply LVOC Primer	Factory laminated QuickSeam Splice Tape
EcoWhite	Splice Wash SW-100 or Single-Ply LVOC Splice Wash	EcoWhite EPDM Splice Adhesive
EcoWhite	Single-Ply QuickPrime Primer, Single-Ply LVOC Primer	EcoWhite QuickSeam Splice Tape
EcoWhite PT	Single-Ply QuickPrime Primer, Single-Ply LVOC Primer	Factory laminated QuickSeam Splice Tape

19. EcoWhite PT may be used where EcoWhite is referenced.

20. "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind pressures.



**TABLE 1A: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
MEMBRANE IN EPDM BONDING ADHESIVE BA-2004(T):								
W-1	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
W-2	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch Firestone “FiberTop B or E”	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
W-3	Min. 15/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD HD	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
W-4	Min. 23/32-inch plywood or wood plank.	Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
W-5	Min. 23/32-inch plywood or wood plank.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Firestone HailGard	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
W-6	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.78 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0
W-7	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0
MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE:								
W-8	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
W-9	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch Firestone “FiberTop B or E”	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
W-10	Min. 15/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD HD	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
W-11	Min. 23/32-inch plywood or wood plank.	Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
W-12	Min. 23/32-inch plywood or wood plank.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Firestone HailGard	Note 2	1 per 2 ft²	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*

**TABLE 1A: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
W-13	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.78 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0
W-14	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0
<b>MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE-1168:</b>								
W-15	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
W-16	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch Firestone "FiberTop B or E"	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
W-17	Min. 15/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD HD	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
W-18	Min. 23/32-inch plywood or wood plank.	Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
W-19	Min. 23/32-inch plywood or wood plank.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Firestone HailGard	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
W-20	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.78 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0
W-21	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0
<b>MEMBRANE IN WATER BASED BONDING ADHESIVE P:</b>								
W-22	Min. 15/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD HD	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0*
W-23	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.78 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0
W-24	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0

**TABLE 1B-1: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)**

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attachment	Membrane	Fasteners	Attachment	
W-25	Min. 23/32-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX or MAX FR	Firestone AP Fasteners or Firestone HD Fasteners with Firestone Seam Plates	6-inch o.c. within 7-inch wide laps spaced 84-inch o.c.	-45.0
W-26	Min. 23/32-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	Min. 0.060 inch MAX or MAX FR	Firestone AP Fasteners or Firestone HD Fasteners with Firestone V-Plates	6-inch o.c. within 7-inch wide laps spaced 114-inch o.c.	-45.0

**TABLE 1B-2: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)**

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attachment	Membrane	Fasteners	Attachment	
W-27	Min. 23/32-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	Platinum, MAX or MAX FR	Firestone AP Fasteners or Firestone HD Fasteners with Firestone Batten Strip or Polymer Batten Strip	6-inch o.c. within 7-inch wide laps spaced 72-inch o.c.	-30.0
W-28	Min. 23/32-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX or MAX FR	Firestone AP Fasteners or Firestone HD Fasteners with Firestone Batten Strip or Polymer Batten Strip	6-inch o.c. within 7-inch wide laps spaced 84-inch o.c.	-45.0
W-29	Min. 23/32-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX or MAX FR	Firestone AP Fasteners or Firestone HD Fasteners with Firestone Batten Strip or Polymer Batten Strip	6-inch o.c. within 7-inch wide laps spaced 114-inch o.c.	-45.0

**TABLE 2A-1: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Fastener	Attach	Type	Attach	Type	Attach	
MEMBRANE IN EPDM BONDING ADHESIVE BA-2004(T):									
SC-1.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-30.0*
SC-2.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-37.5*
SC-3.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-37.5*
SC-4.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-5.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-6.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-7.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-8.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-9.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-10.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch RESISTA followed by optional min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-11.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-12.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*

**TABLE 2A-1: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Fastener	Attach	Type	Attach	Type	Attach	
SC-13.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 4 ft <sup>2</sup>	Min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-14.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch Dens Deck Prime	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-60.0
SC-15.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-75.0
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-75.0
SC-17.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-105.0
SC-18.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD or min. 7/16-inch OSB	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-105.0
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-105.0
SC-20.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 0.5-inch Dens Deck Prime	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-105.0
SC-21.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-112.5
SC-22.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 6-in o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-120.0
SC-23.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-127.5
<b>MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE:</b>									
SC-24.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-30.0*

**TABLE 2A-1: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Fastener	Attach	Type	Attach	Type	Attach	
SC-25.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-37.5*
SC-26.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-37.5*
SC-27.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-28.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-29.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-30.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-32.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-33.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch RESISTA followed by optional min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-35.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-36.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 4 ft <sup>2</sup>	Min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*

**TABLE 2A-1: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Fastener	Attach	Type	Attach	Type	Attach	
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch Dens Deck Prime	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-60.0
SC-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-75.0
SC-39.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-75.0
SC-40.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-105.0
SC-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD or min. 7/16-inch OSB	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-105.0
SC-42.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-105.0
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 0.5-inch Dens Deck Prime	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-105.0
SC-44.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-112.5
SC-45.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 6-in o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-120.0
SC-46.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-127.5
<b>MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE-1168:</b>									
SC-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-30.0*
SC-48.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-37.5*



**TABLE 2A-1: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Fastener	Attach	Type	Attach	Type	Attach	
SC-49.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-37.5*
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-51.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-55.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-56.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch RESISTA followed by optional min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-57.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-58.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 4 ft <sup>2</sup>	Min. 0.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-60.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch Dens Deck Prime	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-60.0

**TABLE 2A-1: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Fastener	Attach	Type	Attach	Type	Attach	
SC-61.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-75.0
SC-62.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-75.0
SC-63.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-105.0
SC-64.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD or min. 7/16-inch OSB	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-105.0
SC-65.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
SC-66.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 0.5-inch Dens Deck Prime	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
SC-67.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
SC-68.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-120.0
SC-69.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 6-in o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-120.0
SC-70.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-135.0
<b>MEMBRANE IN WATER BASED BONDING ADHESIVE P:</b>									
SC-71.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0*
SC-72.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0*

**TABLE 2A-1: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Fastener	Attach	Type	Attach	Type	Attach	
SC-73.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0*
SC-74.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Min. 1.5-inch ISOGARD HD Composite	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0*
SC-75.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-75.0
SC-76.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1-inch ISO 95+ GL	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 4-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-105.0
SC-77.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch ISO 95+ GL followed by min. 0.5-inch ISOGARD HD or min. 7/16-inch OSB	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-105.0
SC-78.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Min. 1.5-inch RESISTA	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick, 6-in o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-120.0

**TABLE 2A-2: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-2: MECHANICALLY FASTENED BASE INSULATION, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer			Temp Roof	Insulation		Roof Cover (Note 16)		MDP (psf)
		Type	Fasten	Attach		Type	Attach	Type	Attach	
SC-79.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4 ft <sup>2</sup>	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA-1168 or WBBA-P	-45.0*
SC-80.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4 ft <sup>2</sup>	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISO 95+ GL, optional min. 0.5-inch Tapered ISO 95+ GL; Min. 0.5-inch FiberTop B or E or ISOGARD HD or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board; or Min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA-1168 or WBBA-P	-45.0*
SC-81.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 5/8-inch Dens Deck Prime	Note 2	1 per 2 ft <sup>2</sup>	Firestone SA Primer; BASEGARD SA, self-adhered	One or more layers min. 1-inch ISO 95+ GL or RESISTA, optional min. 0.5-inch ISOGARD HD or min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA P	-45.0*

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
MEMBRANE IN EPDM BONDING ADHESIVE BA-2004(T):								
SC-82.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-30.0
SC-83.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.67 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-30.0
SC-84.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 3.2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-30.0*
SC-85.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.0-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-30.0
SC-86.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite	Note 2	1 per 5.3 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-30.0*
SC-87.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-37.5*
SC-88.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 5.3 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-37.5*
SC-89.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-90.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1-inch Firestone “FiberTop E”	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-91.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-92.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, max. 48 x 48 inch	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-93.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min.0.25-inch Dens Deck Prime	Note 2	1 per 1.8 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-94.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-95.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Firestone HailGard	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-96.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-97.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch RESISTA	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-98.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0*
SC-99.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 2.67 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-45.0
SC-100.	Min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-67.5
SC-101.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-75.0
SC-102.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch Firestone HailGard	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-75.0
SC-103.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1.33 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-75.0
SC-104.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-75.0
SC-105.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-82.5

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-106.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.33 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-82.5
SC-107.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-82.5
SC-108.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-82.5
SC-109.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-105.0
SC-110.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1.3 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-105.0
SC-111.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-112.5
SC-112.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-112.5
SC-113.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUOROCK Gypsum-Fiber Roof Board	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-112.5
SC-114.	Min. 22 ga. Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-150.0
SC-115.	Min. 22 ga. Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-150.0
SC-116.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2 (HD only for steel)	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-180.0
SC-117.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch Firestone HailGard	Note 2 (HD only for steel)	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-180.0

**MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE:**



**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-118.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-30.0
SC-119.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.67 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-30.0
SC-120.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 3.2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-30.0*
SC-121.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.0-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-30.0
SC-122.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite	Note 2	1 per 5.3 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-30.0*
SC-123.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-37.5*
SC-124.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 5.3 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-37.5*
SC-125.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-126.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1-inch Firestone "FiberTop E"	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-127.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-128.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, max. 48 x 48 inch	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-129.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min.0.25-inch Dens Deck Prime	Note 2	1 per 1.8 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-130.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-131.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Firestone HailGard	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-132.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-133.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch RESISTA	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-134.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0*
SC-135.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 2.67 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-45.0
SC-136.	Min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-67.5
SC-137.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-75.0
SC-138.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch Firestone HailGard	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-75.0
SC-139.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1.33 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-75.0
SC-140.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-75.0
SC-141.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-82.5

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-142.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.33 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-82.5
SC-143.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-82.5
SC-144.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-82.5
SC-145.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-105.0
SC-146.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1.3 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-105.0
SC-147.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-112.5
SC-148.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-112.5
SC-149.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUOROCK Gypsum-Fiber Roof Board	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-112.5
SC-150.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-142.5
SC-151.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch Firestone HailGard	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-142.5
SC-152.	Min. 22 ga. Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-150.0
SC-153.	Min. 22 ga. Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-150.0

**MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE-1168:**

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-154.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-30.0
SC-155.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 2.67 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-30.0
SC-156.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 3.2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-30.0*
SC-157.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.0-inch ISO 95+ GL	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-30.0
SC-158.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 5.3 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-37.5*
SC-159.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-160.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1-inch Firestone "FiberTop E"	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-161.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-162.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, max. 48 x 48 inch	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-163.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch Dens Deck Prime	Note 2	1 per 1.8 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-164.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-165.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-166.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Firestone HailGard	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-167.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-168.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch RESISTA	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-169.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 4 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*
SC-170.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 2.67 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0
SC-171.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch Firestone HailGard	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-75.0
SC-172.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1.33 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-75.0
SC-173.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-75.0
SC-174.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL	Note 2	1 per 1.33 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-82.5
SC-175.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-82.5
SC-176.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1.6 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-82.5
SC-177.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-105.0

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-178.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1.3 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-105.0
SC-179.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
SC-180.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
SC-181.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
SC-182.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUOROCK Gypsum-Fiber Roof Board	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
SC-183.	Min. 22 ga. Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-120.0
SC-184.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2 (HD only for steel)	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-142.5
SC-185.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch Firestone HailGard	Note 2 (HD only for steel)	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-142.5
SC-186.	Min. 22 ga. Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch RESISTA	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-142.5
<b>MEMBRANE IN WATER BASED BONDING ADHESIVE P:</b>								
SC-187.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min.0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2	1 per 2.1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-30.0*
SC-188.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-37.5*
SC-189.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch ISO 95+ GL	Note 2	1 per 2.7 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0*

**TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**

**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
SC-190.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0*
SC-191.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-112.5

**TABLE 2C-1: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**

**SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)**

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attachment	Membrane	Fasteners	Attachment	
SC-192.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX or MAX FR	Firestone AP Fasteners (steel only) or Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only) with Firestone V-Plates	6-inch o.c. within 7-inch wide laps spaced 84-inch o.c.	-52.5
SC-193.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	Min. 0.060 inch MAX or MAX FR	Firestone AP Fasteners (steel only) or Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only) with Firestone V-Plates	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c.	-52.5



**TABLE 2C-2: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)**

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners	Attachment	
SC-194.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone AP Fasteners (steel only) or Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only)with Firestone Batten Strip or Polymer Batten Strip	Fasteners 6-inch o.c. through batten in field of the roof spaced 72-inch o.c. Screw heads topped with fastener sealer. Batten strips sealed with 6-inch cover-strip.	-30.0
SC-195.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only)with Firestone Coiled Metal Batten Strip	Fasteners 12-inch o.c. through batten within 7-inch wide laps spaced 84-inch o.c.	-30.0
SC-196.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone AP Fasteners (steel only) or Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only)with Firestone Batten Strip or Polymer Batten Strip	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 72-inch o.c.	-30.0
SC-197.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone AP Fasteners (steel only) or Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only)with Firestone Batten Strip	Fasteners 6-inch o.c. through batten within 7-inch wide laps spaced 72-inch o.c.	-45.0
SC-198.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX, MAX PT or MAX FR	Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only) with Firestone Polymer Batten Strip	Fasteners 12-inch o.c. through batten within 6-inch wide laps spaced 84-inch o.c.	-52.5
SC-199.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX or MAX FR	Firestone AP Fasteners (steel only) or Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only)with Firestone Polymer Batten Strip	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 115-inch o.c.	-52.5
SC-200.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX or MAX FR	Firestone HD Plus Fasteners or Firestone Concrete Drive Fasteners (concrete only)with Firestone Polymer Batten Strip	Fasteners 12-inch o.c. through batten in field of the roof spaced 114-inch o.c. Screw heads topped with fastener sealer. Batten strips sealed with 6-inch cover-strip.	-60.0
SC-201.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX or MAX FR	Firestone HD Plus Fasteners or Firestone Concrete Drive Fasteners (concrete only) with Firestone Polymer Batten Strip	Fasteners 12-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c.	-60.0

**TABLE 2C-2: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)**

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners	Attachment	
SC-202.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	MAX or MAX FR	Firestone HD Fasteners with Firestone Batten Strip	Fasteners 12-inch o.c. through batten within 7-inch wide laps spaced 114-inch o.c. and applied in two equally spaced rows in field of the roof cover centered between and parallel with the laps, resulting in battens spaced 38-inch o.c. Field batten strips sealed with 6-inch cover-strip	-82.5
SC-203.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Preliminarily attached	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	TruFast HD Fasteners with TruFast BB-18 Batten Bar	Fasteners 6-inch o.c. through batten in field of the roof spaced 24-inch o.c. Screw heads topped with fastener sealer. Batten strips sealed with 6-inch cover-strip.	-82.5

**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**

**SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RMA STRIPS)**

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners	Attachment	
SC-204.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only) with Firestone Batten Strip or Coiled Metal Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 84-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-30.0
SC-205.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	Min. 60-mil Standard, FR, LS-FR, LS-FR PT, Platinum	Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only) with Firestone Coiled Metal Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 96-inch o.c. The batten is centered over each strip and fastened 12-inch o.c. Roof cover adhered to each strip by first priming with QuickPrime Plus at the strip location, then rolling into place with a hand roller	-30.0
SC-206.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone HD Fasteners or Firestone Concrete Drive Fasteners (concrete only) with Firestone Batten Strip or Coiled Metal Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 72-inch o.c. The batten is centered over each strip and fastened 12-inch o.c. Roof cover adhered to each strip by first priming with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-37.5
SC-207.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone AP Fasteners (steel only) or Firestone HD Fasteners with Firestone Polymer Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 114-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-45.0
SC-208.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	MAX, MAX PT or MAX FR	Firestone HD Fasteners with Firestone Polymer Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 120-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-52.5

**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
MEMBRANE IN EPDM BONDING ADHESIVE BA-2004(T):									
C-1	Min. 2,500 psi structural concrete	ASTM D41	(Optional) Min. 1.5-inch ISO 95+ GL	Hot asphalt	Min. 0.25-inch Dens Deck Prime	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-112.5
C-2	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL with optional Tapered ISO 95+ GL	Hot asphalt	Min. 0.25-inch Dens Deck	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-165.0
C-3	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot asphalt	(Optional) Tapered ISO 95+ GL	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-195.0
C-4	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5
C-5	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot asphalt	(Optional) Min. 0.25-inch Dens Deck	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-390.0
C-6	Min. 2,500 psi structural concrete	ASTM D41	Min. 0.25-inch Dens Deck or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-420.0
C-7	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch RESISTA	Hot asphalt	(Optional) additional layers base insulation	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0
C-8	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Optional additional layers of base insulation; min. 1-inch ISO 95+ GL	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5
C-9	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-277.5
C-10	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. FIX II, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0
C-11	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. FIX II	(Optional) Additional layers of base insulation	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0
C-12	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	(Optional) Min. 0.25-inch Dens Deck	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
C-13	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Optional additional layer(s) base insulation followed by 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
C-14	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Optional additional layers of base insulation; min. 1-inch ISO 95+ GL	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5

**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
C-15	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5
C-16	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5
C-17	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-300.0
C-18	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Twin Pack, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0
C-19	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0
C-20	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack, full coverage	(Optional) Additional layers of base insulation or min. 0.25-inch Dens Deck or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack, full coverage	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-390.0
C-21	Min. 2,500 psi structural concrete	None	Min. 0.25-inch Dens Deck or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack, full coverage	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-420.0
C-22	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-232.5
C-23	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Optional additional layers of base insulation; min. 1-inch ISO 95+ GL	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5
C-24	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5
C-25	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5
C-26	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-270.0
C-27	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-322.5
C-28	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 4" o.c.	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	BA-2004(T)	-360.0
C-29	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0

**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
C-30	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0
C-31	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	EcoWhite	BA-2004(T)	-405.0
C-32	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-127.5
C-33	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL	I.S.O. Spray S	(Optional) Additional layers of base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-277.5
C-34	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-277.5
C-35	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-277.5
C-36	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray S, 6-inch o.c.	(Optional) Min. 0.5-inch ISOGARD HD	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0
C-37	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Spray S	(Optional) Additional layers of base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-360.0
C-38	Min. 2,500 psi structural concrete	None	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-245.0
C-39	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-270.0
C-40	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	CR-20	(Optional) Additional layers of base insulation	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-270.0
<b>MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE:</b>									
C-41	Min. 2,500 psi structural concrete	ASTM D41	(Optional) Min. 1.5-inch ISO 95+ GL	Hot asphalt	Min. 0.25-inch Dens Deck Prime	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-112.5
C-42	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL with optional Tapered ISO 95+ GL	Hot asphalt	Min. 0.25-inch Dens Deck	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-165.0

**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
C-43	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot asphalt	(Optional) Tapered ISO 95+ GL	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-195.0
C-44	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-247.5
C-45	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot asphalt	(Optional) Min. 0.25-inch Dens Deck	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-390.0
C-46	Min. 2,500 psi structural concrete	ASTM D41	Min. 0.25-inch Dens Deck or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-420.0
C-47	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch RESISTA	Hot asphalt	(Optional) additional layers base insulation	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0
C-48	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Optional additional layers of base insulation; min. 1-inch ISO 95+ GL	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-247.5
C-49	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. FIX II, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0
C-50	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. FIX II	(Optional) Additional layers of base insulation	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0
C-51	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	(Optional) Min. 0.25-inch Dens Deck	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5
C-52	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Optional additional layer(s) base insulation followed by 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5
C-53	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-202.5
C-54	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Optional additional layers of base insulation; min. 1-inch ISO 95+ GL	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-247.5
C-55	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-247.5
C-56	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-300.0
C-57	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Twin Pack, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0



**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
C-58	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0
C-59	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack, full coverage	(Optional) Additional layers of base insulation or min. 0.25-inch Dens Deck or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack, full coverage	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-390.0
C-60	Min. 2,500 psi structural concrete	None	Min. 0.25-inch Dens Deck or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack, full coverage	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-420.0
C-61	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-232.5
C-62	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Optional additional layers of base insulation; min. 1-inch ISO 95+ GL	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-247.5
C-63	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-247.5
C-64	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-247.5
C-65	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-270.0
C-66	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-322.5
C-67	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 4" o.c.	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	LVOC BA	-360.0
C-68	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0
C-69	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0
C-70	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	EcoWhite	LVOC BA	-405.0
C-71	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-127.5
C-72	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL	I.S.O. Spray S	(Optional) Additional layers of base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-277.5

**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
C-73	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-277.5
C-74	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-277.5
C-75	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray S, 6-inch o.c.	(Optional) Min. 0.5-inch ISOGARD HD	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0
C-76	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Spray S	(Optional) Additional layers of base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-360.0
C-77	Min. 2,500 psi structural concrete	None	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-245.0
C-78	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-270.0
C-79	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	CR-20	(Optional) Additional layers of base insulation	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-270.0
<b>MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE-1168:</b>									
C-80	Min. 2,500 psi structural concrete	ASTM D41	(Optional) Min. 1.5-inch ISO 95+ GL	Hot asphalt	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
C-81	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL	Hot asphalt	(Optional) Tapered ISO 95+ GL	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-195.0
C-82	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch RESISTA	Hot asphalt	(Optional) additional layers base insulation	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-360.0
C-83	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
C-84	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-262.5
C-85	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. FIX II	(Optional) Additional layers of base insulation	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-450.0

**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
C-86	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Optional additional layer(s) base insulation followed by 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-157.5
C-87	Min. 2,500 psi structural concrete	None	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
C-88	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-262.5
C-89	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-450.0
C-90	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Additional layers of base insulation and/or min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
C-91	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
C-92	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-247.5
C-93	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-262.5
C-94	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-450.0
C-95	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL	I.S.O. Spray S	(Optional) Additional layers of base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
C-96	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
C-97	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-255.0
C-98	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-262.5
C-99	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Spray S	(Optional) Additional layers of base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-450.0

**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
C-100	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	CR-20	(Optional) Additional layers of base insulation	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
<b>MEMBRANE IN WATER BASED BONDING ADHESIVE P:</b>									
C-101	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch RESISTA	Hot asphalt	(Optional) additional layers base insulation	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-405.0
C-102	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-277.5
C-103	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. FIX II, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-360.0
C-104	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. FIX II	(Optional) Additional layers of base insulation	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-405.0
C-105	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-247.5
C-106	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-300.0
C-107	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Twin Pack, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-360.0
C-108	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-405.0
C-109	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-277.5
C-110	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 4" o.c.	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	WBBA P	-360.0
C-111	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-360.0
C-112	Min. 2,500 psi structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	EcoWhite	WBBA P	-405.0
C-113	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-405.0
C-114	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch FiberTop B or E	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0
C-115	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL	I.S.O. Spray S	(Optional) Additional layers of base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-60.0

**TABLE 3A-1: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
C-116	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-67.5
C-117	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-277.5
C-118	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA	I.S.O. Spray S, 6-inch o.c.	(Optional) Min. 0.5-inch ISOGARD HD	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-360.0
C-119	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA	I.S.O. Spray S	(Optional) Additional layers of base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA S	-405.0

**TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 15)	Base Insulation Layer		Coverboard		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
LWC-1	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA-P	-60.0
LWC-2	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Optional additional layers of base insulation followed by min. 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA-P	-67.5
LWC-3	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Optional additional layers of base insulation followed by min. 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T) or LVOC BA	-127.5
LWC-4	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Optional additional layers of base insulation followed by min. 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-142.5
LWC-5	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA or LVOC BA1168	-217.5
LWC-6	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch or RESISTA	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA-P	-217.5
LWC-7	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA-P	-217.5
LWC-8	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Optional additional layers of base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA-P	-217.5
LWC-9	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Optional additional layers of base insulation followed by min. 0.25-inch Dens Deck Prime or SECURUCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA or LVOC BA1168	-217.5



**TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 15)	Base Insulation Layer		Coverboard		Roof Cover (Note 16)		MDP (psf)
			Type	Attach	Type	Attach	Type	Attach	
LWC-10	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA-P	-60.0
LWC-11	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation followed by min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA-P	-67.5
LWC-12	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation followed by min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T) or LVOC BA	-127.5
LWC-13	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation followed by min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-142.5
LWC-14	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA or LVOC BA1168	-187.5
LWC-15	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch RESISTA	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA-P	-187.5
LWC-16	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA-P	-187.5
LWC-17	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA-P	-187.5
LWC-18	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Stick	Optional additional layers of base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA or LVOC BA1168	-187.5



**TABLE 4B: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 15)	Anchor Sheet			Insulation			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Base	Top	Attach	Type	Attach	
LWC-19	Min. 22 ga. steel or structural concrete deck.	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 52 lbf when tested per TAS 105 or ANSI/SPRI FX-1.</i>	MB Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Two Piece Impact Nail (min. 1.8-inch)	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1-inch ISO 95+ GL or RESISTA	(Optional) Additional layers base insulation	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA P	-45.0
LWC-20	Min. 22 ga. steel or structural concrete deck.	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 52 lbf when tested per TAS 105 or ANSI/SPRI FX-1.</i>	MB Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Two Piece Impact Nail (min. 1.8-inch)	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1-inch ISO 95+ GL or RESISTA	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD or min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II, I.S.O. Twin Pack, I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA P	-45.0

**TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Attach	Type	Attach	Type	Attach	
CWF-1.	Tectum	Min. 1-inch ISO 95+ GL or min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	(Optional) Additional layer(s) base insulation	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA P	-45.0*

**TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 16)		MDP (psf)
		Type	Fasteners	Attach	Type	Attach	Type	Attach	Type	Attach	
CWF-2.	Tectum	MB Base, Venting Base Sheet, SBS Base, SBS Bsa-e-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Two Piece Impact Nail (min. 1.8-inch)	12-inch o.c. at the min. 2-inch lap and 18-inch o.c. at two, equally spaced center rows	Min. 1-inch ISO 95+ GL or min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack, I.S.O. FIX II or I.S.O. Stick	(Optional) Additional layer(s) base insulation	I.S.O. Twin Pack, I.S.O. FIX II or I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA P	-45.0*
CWF-3.	Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail (min. 1.8-inch)	9-inch o.c. at the min. 2-inch lap and 18-inch o.c. at two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch Dens Deck, Dens Deck Prime or SECURROCK Gypsum Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA or WBBA P	-45.0*
CWF-4.	Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail (min. 1.8-inch)	9-inch o.c. at the min. 2-inch lap and 18-inch o.c. at two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch Dens Deck Prime or SECURROCK Gypsum Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*

**TABLE 5C: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**

**SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 16)		MDP (psf)
			Type	Fasteners	Attach	Type	Attach	
CWF-5.	Tectum	(Optional) One or more layers, any combination, loose laid	Min. 1-inch Firestone "FiberTop B or E"	Firestone Polymer Fastener with Polymer Insulation Plates	1 per 2 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA P	-45.0*
CWF-6.	Tectum	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISO 95+ GL or min. 0.5-inch ISOGARD HD	Firestone Polymer Fastener with Polymer Insulation Plates	1 per 2.1 ft <sup>2</sup>	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T), LVOC BA, LVOC BA1168 or WBBA P	-45.0*

**TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Attach	Type	Attach	Type	Attach	
MEMBRANE IN EPDM BONDING ADHESIVE BA-2004(T):								
G-1.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	(Optional) Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
G-2.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-112.5
G-3.	Existing sound gypsum or gypsum plank	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-245.0
G-4.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL	CR-20	(Optional) Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-257.5
MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE:								
G-5.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	(Optional) Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5
G-6.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-112.5
G-7.	Existing sound gypsum or gypsum plank	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-245.0
G-8.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL	CR-20	(Optional) Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-257.5
MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE-1168:								
G-9.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-112.5
G-10.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL	CR-20	(Optional) Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch OSB	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-257.5

**TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF)**
**SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 16)		MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach	Type	Attach	Type	Attach	
G-11.	Existing poured gypsum or gypsum plank	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T) or LVOC BA	-45.0*
G-12.	Existing poured gypsum or gypsum plank	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	(Optional) Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-45.0*

**TABLE 7A: RECOVER APPLICATIONS**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Attach	Type	Attach	Type	Attach	
MEMBRANE IN EPDM BONDING ADHESIVE BA-2004(T):								
R-1	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	Hot asphalt	(Optional) Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
R-2	Existing asphaltic BUR or mineral surface cap sheet	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
R-3	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-210.0
R-4	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	(Optional) Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
R-5	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck, or Dens Deck Prime	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
R-6	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
R-7	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Optional additional layer(s) base insulation followed by 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-157.5
R-8	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD or min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-202.5
R-9	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-120.0
R-10	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-120.0
R-11	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-187.5
R-12	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-247.5
R-13	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-127.5
R-14	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	(Optional) additional layers base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-202.5

**TABLE 7A: RECOVER APPLICATIONS**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Attach	Type	Attach	Type	Attach	
R-15	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-202.5
R-16	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-202.5
R-17	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-127.5
R-18	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	(Optional) additional layers base insulation	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-255.0
R-19	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-255.0
R-20	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-255.0
R-21	Existing asphaltic BUR or mineral surface cap sheet	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-245.0
R-22	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	CR-20	(Optional) Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	BA-2004(T)	-262.5
<b>MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE:</b>								
R-23	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	Hot asphalt	(Optional) Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5
R-24	Existing asphaltic BUR or mineral surface cap sheet	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5
R-25	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-210.0
R-26	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	(Optional) Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5

**TABLE 7A: RECOVER APPLICATIONS**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Attach	Type	Attach	Type	Attach	
R-27	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck, or Dens Deck Prime	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5
R-28	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5
R-29	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Optional additional layer(s) base insulation followed by 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-157.5
R-30	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD or min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-202.5
R-31	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECURROCK Gypsum-Fiber Roof Board or min 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-120.0
R-32	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-120.0
R-33	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-187.5
R-34	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-247.5
R-35	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-127.5
R-36	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	(Optional) additional layers base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-202.5
R-37	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-202.5
R-38	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECURROCK Gypsum Fiber Roof Board	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-202.5
R-39	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-127.5
R-40	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	(Optional) additional layers base insulation	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-255.0



**TABLE 7A: RECOVER APPLICATIONS**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Attach	Type	Attach	Type	Attach	
R-41	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-255.0
R-42	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-255.0
R-43	Existing asphaltic BUR or mineral surface cap sheet	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-245.0
R-44	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	CR-20	(Optional) Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA	-262.5
<b>MEMBRANE IN SINGLE-PLY LVOC BONDING ADHESIVE-1168:</b>								
R-45	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-210.0
R-46	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-157.5
R-47	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-157.5
R-48	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Optional additional layer(s) base insulation followed by 7/16-inch OSB	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-157.5
R-49	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD or min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-202.5
R-50	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min 7/16-inch OSB	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-120.0
R-51	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-120.0
R-52	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-187.5
R-53	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0

**TABLE 7A: RECOVER APPLICATIONS**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Attach	Type	Attach	Type	Attach	
R-54	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-142.5
R-55	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	(Optional) additional layers base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-202.5
R-56	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-202.5
R-57	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECURock Gypsum Fiber Roof Board	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-202.5
R-58	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-142.5
R-59	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL	I.S.O. Spray S, 6-inch o.c.	(Optional) additional layers base insulation	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
R-60	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-225.0
R-61	Existing asphaltic BUR	Min. 1-inch RESISTA	I.S.O. Spray S, 6-inch o.c.	(Optional) additional layers base insulation	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-255.0
R-62	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 0.25-inch Dens Deck Prime or SECURock Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	LVOC BA1168	-255.0
<b>MEMBRANE IN WATER BASED BONDING ADHESIVE P:</b>								
R-63	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD	I.S.O. FIX II	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-210.0
R-64	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-157.5
R-65	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD or min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-202.5
R-66	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ISO 95+ GL	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-120.0

**TABLE 7A: RECOVER APPLICATIONS**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 16)		MDP (psf)
		Type	Attach	Type	Attach	Type	Attach	
R-67	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-187.5
R-68	Existing asphaltic BUR	(Optional) Min. 0.5-inch ISO 95+ GL or RESISTA	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-247.5
R-69	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch FiberTop B or E	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0
R-70	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL	I.S.O. Spray S	(Optional) additional layers base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-60.0
R-71	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-67.5
R-72	Existing mineral surface cap sheet	Min. 1-inch RESISTA	I.S.O. Spray S	(Optional) additional layers base insulation	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-202.5
R-73	Existing mineral surface cap sheet	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-202.5
R-74	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 0.5-inch FiberTop B or E	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-45.0
R-75	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL	I.S.O. Spray S, 6-inch o.c.	(Optional) additional layers base insulation	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-60.0
R-76	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 7/16-inch OSB	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-67.5
R-77	Existing asphaltic BUR	Min. 1-inch RESISTA	I.S.O. Spray S, 6-inch o.c.	(Optional) additional layers base insulation	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-255.0
R-78	Existing asphaltic BUR	Min. 1-inch ISO 95+ GL or RESISTA	I.S.O. Spray S, 6-inch o.c.	Optional additional layers base insulation followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray S, 6-inch o.c.	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT, MAX FR or EcoWhite	WBBA P	-255.0

**TABLE 7B: STEEL - RECOVER**

**SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)**

*Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener.*

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners	Attachment	
R-79	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Prelim. attached	MAX, MAX PT or MAX FR	Firestone Purlin Fastener with Firestone Polymer Batten Strip	6-inch o.c. within 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin.	-30.0
R-80	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 114-inch o.c.	One or more layers, any combination	Prelim. attached	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone Purlin Fastener with Firestone Polymer Batten Strip	12-inch o.c. within 6-inch wide laps spaced max. 114-inch o.c. to engage steel purlin.	-30.0
R-81	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Prelim. attached	LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX-FR	Firestone Purlin Fastener with Firestone Coiled Metal Batten Strip	6-inch o.c. within 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin.	-45.0
R-82	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 84-inch o.c.	One or more layers, any combination	Prelim. attached	Standard, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone Purlin Fastener with Firestone Coiled Metal Batten Strip	12-inch o.c. within 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin.	-45.0

**TABLE 7C: STEEL - RECOVER**

**SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RMA STRIPS)**

*Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener.*

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
R-83	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination	Prelim. attached	Min. 60-mil, MAX, MAX PT or MAX FR	Firestone Purlin Fastener and Firestone HD Seam Plates	QuickSeam R.M.A. Strips are applied over the insulation spaced 60-inch o.c. positioned over each steel purlin location and secured 6-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-30.0
R-84	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 84-inch o.c.	One or more layers, any combination	Prelim. attached	Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone Purlin Fastener with Firestone Coiled Metal Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 84-inch o.c. positioned over each steel purlin location and secured 6-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-30.0
R-85	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 96-inch o.c.	One or more layers, any combination	Prelim. attached	Min. 60-mil Standard, FR, LS-FR, LS-FR PT, Platinum	Firestone Purlin Fastener with Firestone Coiled Metal Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 96-inch o.c. positioned over each steel purlin location and secured 12-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-30.0
R-86	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Prelim. attached	Min. 60-mil Standard, FR, LS-FR, LS-FR PT, Platinum, MAX, MAX PT or MAX FR	Firestone Purlin Fastener with Firestone Coiled Metal Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 72-inch o.c. positioned over each steel purlin location and secured 12-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-37.5
R-87	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination	Prelim. attached	MAX, MAX PT or MAX FR	Firestone Purlin Fastener with Firestone Polymer Batten Strip	QuickSeam R.M.A. Strips are applied over the insulation spaced 120-inch o.c. positioned over each steel purlin location and secured 6-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with QuickPrime Plus at the strip location, then rolling into place with a hand roller.	-52.5