

### **EXTERIOR RESEARCH & DESIGN, LLC.**

Certificate of Authorization #9503 353 Christian Street Oxford, CT 06478 (203) 262-9245

### **EVALUATION REPORT**

Firestone Building Products Company, LLC. 250 West 96<sup>th</sup> Street Indianapolis, IN 46260 (800) 443-4272 Evaluation Report F8970.01.08-2-R13

FL984-R13

Date of Issuance: 01/04/2008 Revision 13: 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 SBS and APP Modified Bitumen 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.

**ADVERTISEMENT:** The Evaluation Report number preceded by the words "Trinity | ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

**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 6, plus a 73-page Appendix.

Prepared by:

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ANE1983

GENS No sares

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.
- 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:** Modified Bitumen Roof Systems

Compliance Statement: Firestone SBS and APP Modified Bitumen 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
1507.11.2	Physical Properties	ASTM D6163	2008
1507.11.2	Physical Properties	ASTM D6164	2011
1507.11.2	Physical Properties	ASTM D6222	2011
1507.11.2	Physical Properties	ASTM D6223	2011

## 3. References:

<b>Entity</b>	<b>Examination</b>	Reference	<u>Date</u>	<b>Entity</b>	<b>Examination</b>	Reference	<u>Date</u>
ACRC (TST4671)	TAS 114	03-001	03/06/2003	FM (TST1867)	FM 4470/4474	797-06748-267	09/13/2011
ACRC (TST4671)	TAS 114	03-002	03/06/2003	FM (TST1867)	FM 4470/4474	3036639	11/22/2011
ACRC (TST4671)	TAS 114	03-007	05/01/2003	FM (TST1867)	FM 4470/4474	797-07092-267	01/30/2012
ACRC (TST4671)	TAS 114	02-009	02/10/2003	FM (TST1867)	FM 4470/4474	3044429	04/12/2012
ACRC (TST4671)	TAS 114	07-074	12/05/2007	FM (TST1867)	FM 4470/4474	3042665	05/04/2012
ACRC (TST4671)	TAS 114	08-015	02/26/2008	FM (TST1867)	FM 4470/4474	3044812	05/04/2012
ACRC (TST4671)	TAS 114	08-021	04/11/2008	FM (TST1867)	FM 4470/4474	3044047	05/17/2012
ACRC (TST4671)	TAS 114	08-056	10/24/2008	FM (TST1867)	FM 4470/4474	3046333	08/10/2012
CTL (TST1577)	TAS 114	108R	10/16/2008	FM (TST1867)	FM 4470/4474	3041939	08/14/2012
ERD (TST 6049)	Physical Properties	F10380.09.08-2	09/12/2008	FM (TST1867)	FM 4470/4474	797-07680-267	09/14/2012
ERD (TST 6049)	Physical Properties	F31960.05.10-1	05/19/2010	FM (TST1867)	FM 4470/4474	797-07673-267	09/24/2012
ERD (TST 6049)	Physical Properties	F31960.05.10-2	05/19/2010	FM (TST1867)	FM 4470/4474	797-07749-267	10/04/2012
ERD (TST 6049)	Physical Properties	F31960.08.10-1	08/25/2010	FM (TST1867)	FM 4470/4474	3046870	03/22/2013
ERD (TST 6049)	Physical Properties	F35400.05.11	05/31/2011	FM (TST1867)	FM 4470/4474	3047398	08/15/2013
ERD (TST 6049)	Physical Properties	F36650.08.11-1-R2	05/08/2012	FM (TST1867)	FM 4470/4474	3050535	05/18/2015
ERD (TST 6049)	Physical Properties	F41070.08.12	08/24/2012	FM (TST1867)	FM 4470/4474	RR203649	12/30/2015
ERD (TST 6049)	Physical Properties	F36650.09.12	09/04/2012	FM (TST1867)	FM 4470/4474	3055590	01/14/2016
ERD (TST 6049)	Physical Properties	U41790.05.12-1-R1	01/21/2013	FM (TST1867)	FM 4470/4474	3055890	02/22/2016
ERD (TST 6049)	Physical Properties	U41790.05.12-2-R2	02/22/2013	FM (TST1867)	FM 4470/4474	3055491	12/05/2016
ERD (TST 6049)	Physical Properties	P10500.10.08-1-R2	03/22/2013	IRT (TST7408)	TAS 114	02-010, 011	01/28/2002
ERD (TST 6049)	Physical Properties	F31960.08.10-2-R1	03/25/2013	IRT (TST7408)	TAS 114	02-011	02/07/2002
ERD (TST 6049)	TAS 114	F45610SC	10/01/2013	IRT (TST7408)	TAS 114	02-026	07/26/2002
ERD (TST 6049)	TAS 114	F40000.08.12	08/08/2012	PRI (TST5878)	Physical Properties	FBP-009-02-01	08/31/2004
FM (TST1867)	FM 4470	2Y3A3.AM	11/28/1994	PRI (TST5878)	Physical Properties	FBP-023-02-01	09/01/2004
FM (TST1867)	FM 4470	0Z5A3.AM	03/08/1995	PRI (TST5878)	Physical Properties	FBP-010-02-01	09/02/2004
FM (TST1867)	FM 4470	1D5A8.AM	09/09/1998	PRI (TST5878)	Physical Properties	FBP-011-02-01	09/02/2004
FM (TST1867)	FM 4470	3003597	07/14/1999	PRI (TST5878)	Physical Properties	FBP-013-02-01	09/02/2004
FM (TST1867)	FM 4470	3004786	05/16/2000	PRI (TST5878)	Physical Properties	FBP-014-02-01	09/02/2004
FM (TST1867)	FM 4470	3005030	08/08/2000	PRI (TST5878)	Physical Properties	FBP-015-02-01	09/02/2004
FM (TST1867)	FM 4470	3011494	08/22/2001	PRI (TST5878)	Physical Properties	FBP-016-02-01	09/02/2004
FM (TST1867)	FM 4470	3007328	07/12/2002	PRI (TST5878)	Physical Properties	FBP-018-02-01	09/07/2004
FM (TST1867)	FM 4470	3014031	07/22/2002	PRI (TST5878)	Physical Properties	FBP-008-02-01	09/10/2004
FM (TST1867)	FM 4470	3012321	07/29/2002	PRI (TST5878)	Physical Properties	FBP-017-02-01	09/13/2004
FM (TST1867)	FM 4470	3009613	08/26/2002	PRI (TST5878)	Physical Properties	FBP-007-02-01	09/14/2004
FM (TST1867)	FM 4470	3017121	06/12/2003	PRI (TST5878)	Physical Properties	FBP-020-02-01	09/14/2004
FM (TST1867)	FM 4470	3014692	08/05/2003	PRI (TST5878)	Physical Properties	FBP-019-02-01	09/14/2004
FM (TST1867)	FM 4470	3018579	10/09/2003	PRI (TST5878)	Physical Properties	FBP-056-02-01	12/12/2008
FM (TST1867)	FM 4470	3009473	04/30/2004	PRI (TST5878)	Physical Properties	FBP-057-02-01	12/12/2008
FM (TST1867)	FM 4470	3008978	08/13/2004	PRI (TST5878)	Physical Properties	FBP-058-02-01	12/12/2008
FM (TST1867)	FM 4470	3012095	06/30/2004	PRI (TST5878)	Physical Properties	FBP-038-02-01	12/27/2010
FM (TST1867)	FM 4470/4474	3020395	11/29/2004	PRI (TST5878)	Physical Properties	FBP-038-02-02	12/28/2010
FM (TST1867)	FM 4470/4474	3014537	11/29/2004	PRI (TST5878)	Physical Properties	FBP-038-02-03	12/29/2010
FM (TST1867)	FM 4470/4474	3022492	01/17/2005	PRI (TST5878)	Physical Properties	FBP-038-02-04	12/29/2010
FM (TST1867)	FM 4470/4474	3024594	05/19/2006	PRI (TST5878)	Physical Properties	FBP-042-02-01	07/26/2011
FM (TST1867)	FM 4470/4474	3026520	12/14/2006	PRI (TST5878)	Physical Properties	FBP-043-02-03	07/26/2011
FM (TST1867)	FM 4470/4474	3022502	01/29/2007	PRI (TST5878)	Physical Properties	FBP-043-02-04	07/26/2011
FM (TST1867)	FM 4470/4474	3030107	05/18/2007	PRI (TST5878)	Physical Properties	FBP-042-02-02	07/27/2011

6<sup>TH</sup> EDITION (2017) FBC NON-HVHZ EVALUATION

Firestone Building Products Company, LLC



<b>Entity</b>	<b>Examination</b>	Reference	<u>Date</u>	<u>Entity</u>	<b>Examination</b>	Reference	<u>Date</u>
FM (TST1867)	FM 4470/4474	3025185	05/22/2007	PRI (TST5878)	Physical Properties	FBP-043-02-01	08/02/2011
FM (TST1867)	FM 4470/4474	3030227	06/18/2007	PRI (TST5878)	Physical Properties	FBP-043-02-02	08/02/2011
FM (TST1867)	FM 4470/4474	3029993	09/21/2007	PRI (TST5878)	TAS 114	FBP-047-02-03	08/29/2011
FM (TST1867)	FM 4470/4474	3028093	10/26/2007	PRI (TST5878)	Physical Properties	FBP-053-02-01	03/23/2012
FM (TST1867)	FM 4470/4474	3032850	06/05/2008	PRI (TST5878)	TAS 114	FBP-059-02-01	05/10/2012
FM (TST1867)	FM 4470/4474	3033218	08/12/2008	PRI (TST5878)	TAS 114	FBP-071-02-01	05/10/2012
FM (TST1867)	FM 4470/4474	3035017	04/15/2009	PRI (TST5878)	TAS 114	FBP-073-02-01	07/05/2012
FM (TST1867)	FM 4470/4474	797-4792.267	08/03/2009	PRI (TST5878)	Physical Properties	FBP-064-02-01	08/02/2012
FM (TST1867)	FM 4470/4474	797-04854.267	08/31/2009	PRI (TST5878)	TAS 114	FBP-067-02-01	08/02/2012
FM (TST1867)	FM 4470/4474	797-04929.267	09/25/2009	PRI (TST5878)	TAS 114	FBP-054-02-03	08/02/2012
FM (TST1867)	FM 4470/4474	3023288	12/24/2009	PRI (TST5878)	TAS 114	FBP-071-02-01-R1	02/07/2013
FM (TST1867)	FM 4470/4474	3015815	12/24/2009	PRI (TST5878)	TAS 114	FBP-101-02-01	03/21/2013
FM (TST1867)	FM 4470/4474	797-05158.267	12/24/2009	PRI (TST5878)	Physical Properties	FBP-087-02-01	03/22/2013
FM (TST1867)	FM 4470/4474	797-05160.267	12/24/2009	PRI (TST5878)	Physical Properties	FBP-088-02-01	03/22/2013
FM (TST1867)	FM 4470/4474	3035560	01/11/2010	PRI (TST5878)	Physical Properties	FBP-091-02-01	03/25/2013
FM (TST1867)	FM 4470/4474	FM Letter	03/09/2010	PRI (TST5878)	Physical Properties	FBP-116-02-01	04/03/2013
FM (TST1867)	FM 4470/4474	797-05499.267	04/28/2010	PRI (TST5878)	TAS 114	FBP-113-02-01	04/17/2013
FM (TST1867)	FM 4470/4474	797-05500.267	05/05/2010	PRI (TST5878)	TAS 114	FBP-106-02-01	04/19/2013
FM (TST1867)	FM 4470/4474	797-05501.267	05/05/2010	PRI (TST5878)	TAS 114	FBP-109-02-01	04/19/2013
FM (TST1867)	FM 4470/4474	797-05522.267	05/06/2010	PRI (TST5878)	TAS 114	FBP-114-02-01	04/19/2013
FM (TST1867)	FM 4470/4474	797-05605.267	06/07/2010	PRI (TST5878)	TAS 114	FBP-104-02-01	06/19/2013
FM (TST1867)	FM 4470/4474	797-05627.267	06/14/2010	PRI (TST5878)	TAS 114	FBP-118-02-01	07/24/2013
FM (TST1867)	FM 4470/4474	3033921	08/04/2010	PRI (TST5878)	TAS 114	FBP-123-02-01	07/26/2013
FM (TST1867)	FM 4470/4474	797-05769.267	08/04/2010	PRI (TST5878)	TAS 114	FBP-130-02-01	08/23/2013
FM (TST1867)	FM 4470/4474	3041939, Data	03/02/2011	PRI (TST5878)	TAS 114	FBP-132-02-01	08/23/2013
FM (TST1867)	FM 4470/4474	3041534	03/09/2011	PRI (TST5878)	TAS 114	FBP-133-02-02	08/24/2013
FM (TST1867)	FM 4470/4474	3040795	03/24/2011	PRI (TST5878)	TAS 114	FBP-142-02-01	08/28/2013
FM (TST1867)	FM 4470/4474	797-08473.267	05/05/2011	PRI (TST5878)	TAS 114	FBP-133-02-01	09/03/2013
FM (TST1867)	FM 4470/4474	3042392	06/08/2011	PRI (TST5878)	TAS 114	FBP-059-02-01	09/30/2013
FM (TST1867)	FM 4470/4474	3041949	06/10/2011	PRI (TST5878)	TAS 114	FBP-142-02-02	10/01/2013
FM (TST1867)	FM 4470/4474	3038191	08/04/2011	PRI (TST5878)	Physical Properties	FBP-127-02-01	11/20/2013
FM (TST1867)	FM 4470/4474	3041939, Data	08/18/2011	PRI (TST5878)	Physical Properties	FBP-126-02-01	12/03/2013
FM (TST1867)	FM 4470/4474	797-06607-267	08/30/2011	PRI (TST5878)	Physical Properties	FBP-198-02-01	09/12/2014
FM (TST1867)	FM 4470/4474	3040306	09/07/2011	UL, LLC (QUA9625)	Quality Control	Service	Exp. 09/11/2020
						Confirmation	

# 4. PRODUCT DESCRIPTION:

This Evaluation Report covers **Firestone SBS and APP Modified Bitumen Roof Systems** installed in accordance with **Firestone Building Products Company, LLC** published installation instructions and the Limitations / Conditions of Use herein. The following products make up the subject systems.

	Table 1: Roll-Goods for Firestone Modified Bitumen Roof Systems   Type						
T	Dundust	Specification					
туре	Product	ASTM D2178 N/A  ASTM D2178 N/A  ASTM D4601 N/A  ASTM D4897 N/A  ASTM D4897 N/A  ASTM D6509 N/A  ASTM D1970 N/A  ASTM D6163 S  ASTM D6163 S	Туре				
	Ply IV	ASTM D2178	N/A	IV			
	Ply VI	ASTM D2178	N/A	VI			
	MB Base	ASTM D4601	N/A	П			
Base / Ply Sheets	Channel Venting Base	ASTM D4897	N/A	П			
	Venting Base Sheet	ASTM D4897	N/A	П			
	APP Premium Base	ASTM D6509	N/A	N/A			
	BASEGARD SA	ASTM D1970	N/A	N/A			
	SBS Base	ASTM D6163	S	I			
	SBS Base-P	ASTM D6163	S	I			
	SBS Premium Base	ASTM D6163	S	П			
	SBS Glass Torch Base	ASTM D6163	S	I			
SBS Membranes	SBS Glass Torch Base 1.5	ASTM D6163	S	_			
3b3 iviembranes	SBS Glass	ASTM D6163	G	I			
	SBS Glass UltraWhite	ASTM D6163	G	1			
	SBS Glass FR	ASTM D6163	G	I			
	SBS Glass FR UltraWhite	ASTM D6163	G	I			
	SBS Glass FR Torch	ASTM D6163	G	I			



		E MODIFIED BITUMEN ROOF	ification	
Туре	Product	Reference	Grade	Туре
	SBS Glass FR Torch UltraWhite	ASTM D6163	G	
	SBS PolyBase	ASTM D6164	S	i
	SBS Smooth	ASTM D6164	S	i
	SBS Premium Poly Base	ASTM D6164	S	— · II
	SBS Cap	ASTM D6164	G	
	SBS Cap UltraWhite	ASTM D6164	G	Ī
	SBS FR Cap	ASTM D6164	G	i
	SBS Premium	ASTM D6164	G	П
	SBS Premium UltraWhite	ASTM D6164	G	П
SBS Membranes	SBS Premium FR	ASTM D6164	G	ii ii
(continued)	SBS Premium FR UltraWhite	ASTM D6164	G	II
,	SBS Premium Torch	ASTM D6164	G	- II
	SBS Premium Torch UltraWhite	ASTM D6164	G	II.
	SBS Premium FR Torch	ASTM D6164	G	П
	SBS Premium FR Torch UltraWhite	ASTM D6164	G	II
	SBS Poly Torch Base	ASTM D6164	S	ı
	SBS Torch	ASTM D6164	G	I
	SBS Torch UltraWhite	ASTM D6164	G	I
	SBS FR Torch	ASTM D6164	G	ı
	SBS FR Torch UltraWhite	ASTM D6164	G	I
	APP 80 Glass Base	ASTM D6509	N/A	N/A
	APP 80 Glass Base-P	ASTM D6509	N/A	N/A
	APP 80 Glass Base COOL	ASTM D6509	N/A	N/A
	APP 160	ASTM D6222	S	i
	APP 160-P	ASTM D6222	S	I
	APP 160 COOL	ASTM D6222	S	I
	APP 160 W	ASTM D6222	S	I
	APP 170	ASTM D6222	S	ı
	APP 170 COOL	ASTM D6222	S	I
_	APP 180	ASTM D6222	G	1
APP Membranes	APP 180-P	ASTM D6222	G	I
	APP 180 UltraWhite	ASTM D6222	G	I
	APP 180 COOL	ASTM D6222	G	1
	APP 180 W	ASTM D6222	G	I
	APP 180 FR	ASTM D6222	G	I
	APP 180 FR UltraWhite	ASTM D6222	G	I
	APP 180 FR COOL	ASTM D6222	G	I
	APP 180 FR COOL UltraWhite	ASTM D6222	G	I
	APP Premium FR	ASTM D6223	G	II
	APP Premium FR UltraWhite	ASTM D6223	G	II.



### 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 Refer to a current Approved 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 and 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 in accordance with FAC Rule 61G20-3.



### 6. INSTALLATION:

- 6.1 **Firestone SBS and APP Modified Bitumen Roof Systems** 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 loads.

# 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 73-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -



APPENDIX	1: ATTACHMENT REQUIREMENTS FO	DR WIND UPLIFT RESISTANCE			
Table	Deck	Application	Туре	Description	Page
1A	Wood	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	6
1B	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	6
1C	Wood	New, Reroof (Tear-Off) or Recover	С	Mech. Attached Insulation, Bonded Roof Cover	6-7
1D	Wood	New, Reroof (Tear-Off) or Recover	D	Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	7
1E-1	Wood	New or Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	8
1E-2	Wood	New, Reroof (Tear-Off) or Recover	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	9
2A-1	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	10-17
2A-2	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	B-2	Mech. Attached Thermal Barrier, Bonded Temp Roof, Bonded Insulation, Bonded Roof Cover	18-19
2B	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	С	Mech. Attached Insulation, Bonded Roof Cover	20-25
2C	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	D	Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	26-27
3A	Structural Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	28-37
3B	Structural Concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	37
4A	LWIC	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	38-50
4B	LWIC	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	51
4C-1	LWIC	New or Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	52-55
4C-2	LWIC	New or Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	56
5A	CWF	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	57
5B	CWF	New, Reroof (Tear-Off) or Recover	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	57
5C	CWF	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	58
5D	CWF	New, Reroof (Tear-Off) or Recover	С	Mech. Attached Insulation, Bonded Roof Cover	58
5E	CWF	New, Reroof (Tear-Off) or Recover	D	Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	58
5F	CWF	New, Reroof (Tear-Off) or Recover	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	50
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	60-61
6B	Gypsum	Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	62
6C	Gypsum	Reroof (Tear-Off)	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	63
6D	Gypsum	Reroof (Tear-Off)	С	Mech. Attached Insulation, Bonded Roof Cover	63
6E	Gypsum	Reroof (Tear-Off)	D	Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	63
6F	Gypsum	Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	64
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	65-73

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

- 1. 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.
- 2. Unless otherwise noted, insulation / base sheet fasteners shall be the following with the noted minimum fastener engagement for each deck type. For deck-types not listed, refer to the specific system listings herein:

  > Wood: Firestone Insulation Fastening Plates with Firestone All-Purpose Fasteners; Firestone Pre-Assembled Fastener and Plate (consisting of 0.196-inch thread diameter fastener with 3-inch

diameter metal plate). Minimum 0.75-inch steel penetration and engage the top flute of the steel deck.

Firestone Insulation Fastening Plates with Firestone All-Purpose Fasteners or Firestone Heavy-Duty Fasteners; Firestone Pre-Assembled Fastener and Plate (consisting of 0.196-inch thread diameter fastener with 3-inch diameter metal plate); Firestone Pre-Assembled Heavy-Duty Fastener and Plate (consisting of 0.275-inch thread diameter fastener with 3-inch diameter metal plate); AP AccuTrac; HD AccuTrac. Minimum 0.75-inch steel penetration and engage the top flute of the steel deck.



- > Structural Concrete: Firestone Insulation Fastening Plates with Firestone Heavy-Duty Fasteners or Firestone Concrete Drive Fasteners; Firestone Pre-Assembled Heavy-Duty Fastener and Plate (consisting of 0.275-inch thread diameter fastener with 3-inch diameter metal plate); HD AccuTrac. Minimum 1-inch embedment into pilot hole in accordance with published installation instructions.
- 3. Unless otherwise noted, insulation may be any one layer or combination of polyisocyanurate, polystyrene, fiberboard, perlite and/or gypsum-based insulation 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.
- 4. Minimum 200 psi, minimum 2-inch thick lightweight insulating concrete may be substituted for, or installed beneath rigid insulation board for System Type D (mechanically attached base sheet, bonded roof cover), whereby the base sheet screws and plates 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 Authority Having Jurisdiction. Load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.
- 5. Preliminary insulation attachment for System Type D: 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:

➤ Hot asphalt: Full coverage, 20-40 lbs/square.

Firestone I.S.O. FIX II: Continuous 0.75-inch beads, 8-inch o.c.
 Firestone I.S.O. Spray R: Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
 Firestone I.S.O. Spray S: Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.

Firestone I.S.O. Stick:
Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.
Firestone I.S.O. Twin Pack:
Continuous 0.5 to 0.75-inch beads, 12-inch o.c.
Firestone LiquiGard:
Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.

Firestone Multi-Purpose MB Cold Adhesive: Full coverage, 1.5 to 2 gal./square.

> ICP Adhesives CR-20: Continuous 2.5-3.5-inch wide ribbons, 12-inch o.c.

- Note: When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered from layer-to-layer.
- 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. Tapered polyisocyanurate at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations. 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.

Hot asphalt:
 Firestone I.S.O. FIX II:
 MDP -120.0 psf (Min. 0.5-inch thick)
 Firestone I.S.O. Stick:
 MDP -112.5 psf (Min. 0.5-inch thick)
 Firestone I.S.O. Stick:
 MDP -187.5 psf (Min. 0.5-inch thick)
 Firestone I.S.O. Twin Pack or I.S.O. Spray R:
 MDP -157.5 psf (Min. 0.5-inch thick)
 ICP Adhesives CR-20:
 MDP -117.5 psf (Min. 1.0-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.

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- 13. For Recover Applications using System Type D, the insulation is optional; however, the existing roof system shall be suitable for a recover application.
- 14. 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.
- 15. Unless otherwise noted, refer to the following references for bonded base, ply or cap sheet applications.

		FIRESTONE ROOF COVERS		
Reference	Layer	Material	Application	
BP-CA	Base	MB Base		
(Base and Ply sheets, Cold-Applied)	Ply	Ply VI		
	Base	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base		
SBS-CA	Ply	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Firestone Multi-Purpose MB	
(SBS, Cold-Applied)	Сар	SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR UltraWhite, SBS Glass, SBS Glass UltraWhite, SBS Glass FR, SBS Glass FR UltraWhite	Cold Adhesive at 1.5 - 2.0 gal/square	
APP-CA	Base	APP 80 Glass Base, APP 80 Glass Base-P, APP 160-P, APP 160 COOL, APP 170 COOL, APP Premium Base		
(APP, Cold-Applied)	Сар	APP 160-P, APP 160 COOL, APP 170 COOL, APP 180-P, APP 180 COOL, APP 180 FR COOL, APP 180 FR COOL UltraWhite, APP Premium FR, APP Premium FR UltraWhite		
BP-CA2	Base	MB Base		
(Base and Ply sheets, Cold-Applied)	Ply	Ply VI	Firestone LinuiGond	
	Base	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Firestone LiquiGard  Membrane Adhesive at 1.5 -	
SBS-CA2	Ply	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	2.0 gal/square	
SBS, Cold-Applied)	Сар	SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR UltraWhite, SBS Glass, SBS Glass UltraWhite, SBS Glass FR, SBS Glass FR UltraWhite		
BP-AA	Base	MB Base, Ply IV, Ply VI		
(Base and Ply sheets, Asphalt-Applied)	Ply	Ply IV, Ply VI		
	Base	SBS Base, SBS Base-P SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, SBS Smooth	Hot asphalt at 20-40	
SBS-AA	Ply	SBS Base, SBS Base-P SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, SBS Smooth	lbs/square	
(SBS, Asphalt-Applied)	Сар	SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR UltraWhite, SBS Glass, SBS Glass UltraWhite, SBS Glass FR, SBS Glass FR UltraWhite		
	Base	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth		
SBS-TA	Ply	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth	Torch-Applied	
(SBS, Torch-Applied)	Сар	SBS Glass FR Torch, SBS Glass FR Torch UltraWhite, SBS Torch, SBS Torch UltraWhite, SBS FR Torch, SBS FR Torch UltraWhite, SBS Smooth, SBS Premium Torch, SBS Premium Torch, SBS Premium FR Torch, SBS Premium FR Torch UltraWhite	тоген иррней	
	Base	APP 80 Glass Base, APP 80 Glass Base-P, APP 160, APP 160-P, APP 170, APP Premium Base		
APP-TA	Ply	APP 160, APP 160-P, APP 170, APP Premium Base	Torch-Applied	
(APP, Torch-Applied)	Сар	APP 160, APP 160-P, APP 170, APP 180, APP 180-P, APP 180 UltraWhite, APP 180 FR, APP 180 FR UltraWhite, APP Premium FR, APP Premium FR UltraWhite		
SBS-SA (SBS, self-adhering)	Base	BASEGARD SA (see specific listings)	Self-Adhering	



16. The following cap sheets may be installed over sand-top-surfaced SBS-AA or SBS-TA base or ply membranes within asphalt-applied and torch-applied systems noted herein with the noted Maximum Design Pressure (MDP) limitations. In no case shall the substitution and the associated limitation be used to 'increase' the MDP listing in the table; rather if the particular system is less than or equal to the noted cold-cap limitation, then the substitution is permitted.

Deck Type	System Type	Listed Cap Sheet	Alternate Cold-Cap	MDP (psf)
Wood, Steel, Structural Concrete, LWC, CWF, Gypsum or Recover	A-2, B-1, B-2, C, D or E	SBS-AA or SBS-TA	SBS-CA: SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium UltraWhite, SBS Premium FR or SBS Premium FR UltraWhite	-127.5
Structural Concrete, LWC (over structural concrete), Gypsum or Recover (over structural concrete)	A-1, A-3 or F	SBS-AA or SBS-TA	SBS-CA: SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR UltraWhite, SBS Glass, SBS Glass UltraWhite, SBS Glass FR or SBS Glass FR UltraWhite	-180.0
Structural Concrete, LWC (over structural concrete), Gypsum or Recover (structural over concrete)	A-1, A-3 or F	SBS-AA, SBS-TA or APP-TA	APP-CA: APP 160 COOL, APP 170 COOL, APP 180 COOL, APP 180 FR COOL or APP 180 FR COOL UltraWhite	-225.0

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 BAR	RIER OPTIONS; STRUCTURA	L CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED IN	ISULATION PER TABLE 3A:		
Ontion #	Primer	Vapor Ba	rrier	Inculation Adhasive (Note C)	MDD (mof)
Option #	Primer	Туре	Application	Insulation Adhesive (Note 6)	MDP (psf)
VB-1.	ASTM D41	Base Ply: BP-CA, SBS-CA, APP-CA (Note 15)	Multi-Purpose MB Cold Adhesive	Multi-Purpose MB Cold Adhesive	-67.5*
VB-2.	None	MB Base	LiquiGard	I.S.O. Spray R, 12-inch o.c.	-240.0*
VB-3.	None	MB Base	LiquiGard	I.S.O. Twin Pack, 12-inch o.c.	-240.0*
VB-4.	None	Base Ply: SBS-CA2 (Note 15)	LiquiGard	I.S.O. Spray R, 12-inch o.c.	-240.0*
VB-5.	None	Base Ply: SBS-CA2 (Note 15)	LiquiGard	I.S.O. Twin Pack, 12-inch o.c.	-240.0*
VB-6.	ASTM D41	MB Base	I.S.O. Twin Pack, 4-inch o.c.	I.S.O. Twin Pack, 12-inch o.c.	-232.5*
VB-7.	ASTM D41	Asphaltic (Note 18)	Hot asphalt	Hot asphalt	-120.0*
VB-8.	ASTM D41	Asphaltic (Note 18)	Hot asphalt	I.S.O. Spray S, 6-inch o.c.	-255.0*
VB-9.	ASTM D41	Asphaltic (Note 18)	Hot asphalt	I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c.	-495.0*
VB-10.	ASTM D41	Base Ply: SBS-TA	Torch-applied	I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c.	-495.0*
VB-11.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Spray R, 12-inch o.c.	-255.0*
VB-12.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Stick, 12-inch o.c.	-262.5*
VB-13.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Twin Pack, 12-inch o.c.	-255.0*

- 18. "Asphaltic" vapor barrier / temp roof referenced herein refers to 1 or 2 plies Ply IV or Ply VI or 1 ply MB Base, SBS Base, SBS Premium Base applied in a full mopping of hot asphalt.
- 19. An optional air/vapor barrier of V-Force Vapor Barrier Membrane, self-adhered, may be installed atop steel roof decks (Tables 2A through 2C) prior to installation of any steel deck roof assembly noted herein.
- 20. "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 loads.



21. Unless otherwise noted, insulation or coverboard attachment patterns for Type B and Type C systems are as outlined below:

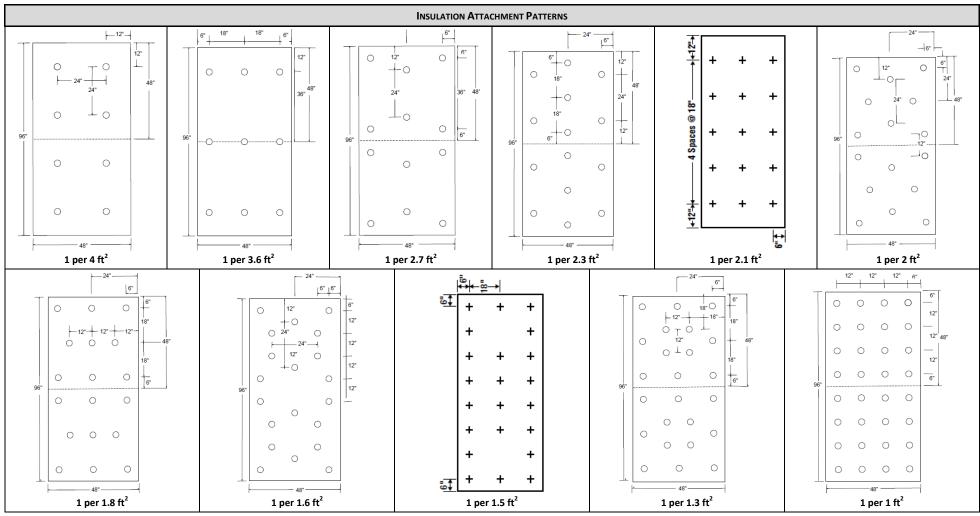




	TABLE 1A: WOOD DECKS — NEW CONSTRUCTION OR REROOF (TEAR-OFF)  SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER										
System Deck	Deck		Anchor Sh	eet	Ins	ulation			Roof Cover (Notes 15 & 1	16)	MDP
No.	(Note 1)	Туре	Fasteners	Attach	Base	Тор	Attach	Base	Ply	Сар	(psf)
W-1	Min. 19/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base, SBS Base, SBS Base-P	FBC HVHZ 1519.5.1 nails & tin caps	9-inch o.c. in the 4-inch side lap and 18-inch o.c. in two staggered rows in the center of the sheet	One or more layers min. 1.4-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5- inch FiberTop	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-2	Min. 19/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base, SBS Base, SBS Base-P	FBC HVHZ 1519.5.1 nails & tin caps	9-inch o.c. in the 4-inch side lap and 18-inch o.c. in two staggered rows in the center of the sheet	One or more layers min. 1.4-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5- inch FiberTop	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5

TABLE 1B: WOOD DECKS — NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  SYSTEM TYPE B: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base In	sulation Laye	r	Top Insulatio	n Layer		Roof Cover (Notes 15 & 16)		MDP
		Туре	Fasteners	Attach (Note 21)	Туре	Attach	Base	Ply	Сар	(psf)
W-3	Min. 19/32-inch plywood at max. 24-inch spans	Min. 1.3-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2.3 ft <sup>2</sup>	Min. 0.5-inch FiberTop	Hot asphalt	BP-AA or SBS- AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-4	Min. 19/32-inch plywood at max. 24-inch spans	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft <sup>2</sup>	Min. 0.5-inch FiberTop	Hot asphalt	BP-AA or SBS- AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER										
System	Dools (Note 1)	Bass Insulation Lauren	Top Ins	ulation Layer			Roof Cover (Notes 15 & 16)		MDP	
No.	No. Deck (Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base	Ply	Сар	(psf)	
COLD-APPLIED BASE PLY; FIRESTONE MULTI-PURPOSE MB COLD ADHESIVE:										
W-5	Min. 15/32-inch plywood at max. 24- inch spans.	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2.7 ft <sup>2</sup>	SBS-CA	(Optional) BP-CA, SBS-CA, BP-CA2, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA, SBS-TA	-40.0*	
W-6	Min. 15/32-inch plywood at max. 24- inch spans.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	Note 2	1 per 2.1 ft <sup>2</sup>	SBS-CA	(Optional) BP-CA, SBS-CA, BP-CA2, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA, SBS-TA	-50.0*	
ASPHALT / T	ORCH APPLIED BASE:	loose laid					303-10			

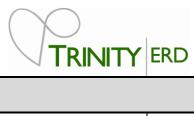


			TABLE 1C: WOOD DECKS – NEV SYSTEM TYPE C: MECHANICAL		•	•				
System	Dools (Note 1)	Bass Insulation Laver	Top Insi	ulation Layer			Roof Cover (Notes 15 & 16)		MDP	
No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base	Ply	Сар	(psf)	
W-7	Min. 19/32-inch plywood at max. 24- inch spans	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 ft <sup>2</sup>	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-30.0*	
W-8 Min. 19/32-inch plywood at max. 24-inch spans One or more layers, any combination, loose laid Min. 0.5-inch FiberTop Note 2 1 per 2 ft <sup>2</sup> BP-AA or SBS-AA (Optional) One or more BP-AA, SBS-TA or APP-TA SBS-AA (SBS-TA or APP-TA) -45.0*										
W-9	Min. 23/32-inch plywood at max. 24- inch spans	One or more layers, any combination, loose laid	Min. 0.5-inch Dens-Deck, Dens-Deck Prime	Note 2	1 per 3.6 ft <sup>2</sup>	SBS-AA	(Optional) SBS-AA	SBS-AA	-45.0*	
SELF-ADHER	ING BASE:									
W-10	Min. 15/32-inch plywood at max. 24- inch spans.	(Optional) One or more layers, any combination, loose laid	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2.77 ft <sup>2</sup>	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-40.0*	
W-11	Min. 15/32-inch plywood at max. 24- inch spans.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	Note 2	1 per 2.1 ft <sup>2</sup>	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-50.0*	
W-12	Min. 19/32-inch plywood at max. 24- inch spans, blocked max. 78-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer, long joints staggered 4 ft.	Note 2	1 per 1.8 ft²	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0	

TABLE 1D: WOOD DECKS — NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER												
System	Dools (Note 1)	Insulation La	yer(s)			Base or Anchor Sheet	Roof Cover (Notes	15 & 16)	MDP			
No.	Deck (Note 1)	Туре	Attach	Base Ply	Сар	(psf)						
W-13	Min. 19/32-inch plywood at max. 24- inch spans	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Note 2	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*			
W-14	Min. 19/32-inch plywood at max. 24- inch spans	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Note 2	12-inch o.c. in the 4-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5			



TABLE 1E-1: WOOD DECKS – NEW CONSTRUCTION or REROOF (TEAR-OFF)											
6	De il	SYSTEM TYPE E:	,	ECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COV Base Sheet	/ER Roof Cover (Notes	15 9 16)					
System No.	Deck (Note 1)	Base	Fasteners	Attach	Base Ply	Cap	MDP (psf)				
	ED BASE PLY; FIRESTONE LIQUIGAR		rastellers	Attacii	Dase Ply	Сар	(62.)				
W-15	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	SBS Base	FBC HVHZ 1519.5.1 nails & tin caps	6-inch o.c. at the 3-inch side lap and 6-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	One or more BP-CA2, SBS-CA2	SBS-CA2, SBS- AA, SBS-TA	-97.5				
ASPHALT OR	TORCH APPLIED BASE PLY:					•	<u>'</u>				
W-16	Min. 19/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base	FBC HVHZ 1519.5.1 nails & tin caps	9-inch o.c. at the 4-inch side lap and 18-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS- TA or APP-TA	-45.0*				
W-17	Min. 15/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base, SBS Base, SBS PolyBase	Simplex MAXX Cap Fastener	9-inch o.c. at the 2-inch side lap and 18-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS-TA	SBS-AA, SBS- TA	-45.0*				
W-18	Min. 15/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base	Simplex MAXX Cap Fastener	9-inch o.c. at the 2-inch side lap and 18-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more APP-TA	APP-TA	-45.0*				
W-19	Min. 19/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base	FBC HVHZ 1519.5.1 nails & tin caps	6-inch o.c. at the 4-inch side lap and 6-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS- TA or APP-TA	-52.5				
W-20	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	FBC HVHZ 1519.5.1 nails & tin caps	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	One or more BP-AA, SBS-AA or SBS-TA	SBS-AA, SBS- TA	-52.5				
W-21	Min. 15/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base, SBS Base, SBS PolyBase	Simplex MAXX Cap Fastener	9-inch o.c. at the 2-inch side lap and 12-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS-TA	SBS-AA, SBS- TA	-52.5				
W-22	Min. 15/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base	Simplex MAXX Cap Fastener	9-inch o.c. at the 2-inch side lap and 12-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more APP-TA	APP-TA	-52.5				
W-23	Min. 15/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base, SBS Base, SBS PolyBase	Simplex MAXX Cap Fastener	6-inch o.c. at the 2-inch side lap and 6-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS-TA	SBS-AA, SBS- TA	-90.0				
W-24	Min. 15/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base	Simplex MAXX Cap Fastener	6-inch o.c. at the 2-inch side lap and 6-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more APP-TA	APP-TA	-90.0				
W-25	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	SBS Base	FBC HVHZ 1519.5.1 nails & tin caps	6-inch o.c. at the 3-inch side lap and 6-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	One or more BP-AA, SBS-AA, SBS-TA	SBS-CA2, SBS- AA, SBS-TA	-97.5				
W-26	Min. 15/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base, SBS Base, SBS PolyBase	Simplex MAXX Cap Fastener	6-inch o.c. at the 2-inch side lap and 6-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS-TA	SBS-AA, SBS- TA	-105.0				
W-27	Min. 15/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base	Simplex MAXX Cap Fastener	6-inch o.c. at the 2-inch side lap and 6-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	(Optional) One or more APP-TA	APP-TA	-105.0				
SELF-ADHER	ING BASE PLY:										
W-28	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	FBC HVHZ 1519.5.1 nails & tin caps	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	BASEGARD SA	SBS-AA, SBS- TA	-52.5				



TABLE 1E-2: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER											
System	Deck			Base Sheet	Roof Cover (Note	s 15 & 16)	MDP				
No.	(Note 1)	Base	Fasteners	Attach	Base Ply	Сар	(psf)				
COLD-APPLIE	D BASE PLY; FIRESTONE LIQUIGARD MEMBRAN	E ADHESIVE:									
W-29	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	Note 2	12-inch o.c. in the 3.5-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-CA2, SBS-CA2	SBS-CA2, SBS- AA, SBS-TA	-60.0				
ASPHALT OR	TORCH APPLIED BASE PLY:										
W-30	Min. 19/32-inch plywood at max. 24-inch spans attached	MB Base, Channel Venting Base	Note 2	12-inch o.c. in the 4-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5				
W-31	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	Note 2	12-inch o.c. in the 3.5-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS- TA	SBS-CA2, SBS- AA, SBS-TA	-60.0				
W-32	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	Note 2	12-inch o.c. in the 2-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	One or more BP-AA, SBS-AA or SBS-TA	SBS-CA2, SBS- AA, SBS-TA	-75.0				
SELF-ADHERI	NG BASE PLY:										
W-33	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	Note 2	12-inch o.c. in the 2-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	BASEGARD SA	SBS-AA, SBS-TA	-75.0				



### 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 Roof Cover (Notes 15 & 16) **Base Insulation Laver Top Insulation Layer** Deck MDP System Attach No. (psf) (Note 1) Type Fasten Type Attach Base Plv Cap (Note 21) COLD-APPLIED BASE; FIRESTONE MULTI-PURPOSE MB COLD ADHESIVE: Min. 0.5-inch Dens Min. 1.5-inch ISO 95+ GL, GenFlex ISO Min. 22 ga., type B, Grade Deck, Dens Deck Prime Insulation followed by min. 0.25-inch Dens SC-1. 33 steel or min. 2,500 psi Note 2 1 per 2 ft<sup>2</sup> I.S.O. FIX II APP-CA APP-CA -37.5\* None Deck Prime or SECUROCK Gypsum Fiber or SECUROCK Gypsumstructural concrete Fiber Roof Board Roof Board Min. 1.5-inch ISO 95+ GL, GenFlex ISO Min. 22 ga., type B, Grade Min. 0.25-inch Dens Deck Prime or 1 per 2 ft<sup>2</sup> SC-2. 33 steel or min. 2,500 psi Insulation or RESISTA, Note 2 I.S.O. FIX II APP-CA None APP-CA -37.5\* SECUROCK Gypsum Fiber Roof Board structural concrete **GenFlex Coated Glass** Facer Min. 1.5-inch ISO 95+ Optional base insulation or Min. 0.5-inch Min. 22 ga., type B, Grade GL. GenFlex ISO Tapered ISO 95+ GL, GenFlex ISO Insulation SC-3. 33 steel or min. 2,500 psi Insulation or RESISTA. Note 2 1 per 2 ft<sup>2</sup> or Tapered RESISTA, GenFlex Coated Glass I.S.O. FIX II APP-CA APP-CA -45.0\* None structural concrete GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO Facer Min. 0.5-inch Dens Min. 1.5-inch ISO 95+ GL, GenFlex ISO Min. 22 ga., type B, Grade Deck, Dens Deck Prime Insulation followed by min. 0.25-inch Dens BP-CA or (Optional) BP-SC-4. 33 steel or min. 2,500 psi Note 2 1 per 2 ft<sup>2</sup> I.S.O. FIX II SBS-CA -30.0\* Deck Prime or SECUROCK Gypsum Fiber or SECUROCK Gypsum-SBS-CA CA, SBS-CA structural concrete Fiber Roof Board **Roof Board** Min. 0.5-inch Dens Min. 22 ga., type B, Grade Min. 1.5-inch ISO 95+ GL, GenFlex ISO Deck. Dens Deck Prime BP-CA or (Optional) BP-SC-5. 33 steel or min. 2,500 psi Note 2 1 per 2 ft<sup>2</sup> Insulation followed by min. 0.5-inch I.S.O. FIX II SBS-CA -37.5\* or SECUROCK Gypsum-SBS-CA CA, SBS-CA structural concrete FiberTop C, E or S Fiber Roof Board Min. 1.5-inch ISO 95+ Optional base insulation or Min. 0.5-inch GL. GenFlex ISO Tapered ISO 95+ GL, GenFlex ISO Insulation Min. 22 ga., type B, Grade BP-CA or (Optional) BP-33 steel or min. 2,500 psi Insulation or RESISTA, or Tapered RESISTA, GenFlex Coated Glass SC-6. 1 per 2 ft<sup>2</sup> I.S.O. FIX II SBS-CA -45.0\* Note 2 SBS-CA CA, SBS-CA structural concrete GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex Facer HD ISO Min. 1.5-inch ISO 95+ GL, GenFlex ISO Min. 22 ga., type B, Grade BP-CA or Min. 0.25-inch Dens Deck Prime or (Optional) BP-SC-7. 33 steel or min. 2,500 psi Insulation or RESISTA, 1 per 2 ft<sup>2</sup> I.S.O. FIX II SBS-CA -45.0\* Note 2 SBS-CA CA, SBS-CA SECUROCK Gypsum Fiber Roof Board structural concrete **GenFlex Coated Glass** Facer Min. 1.5-inch ISO 95+ Min. 22 ga., type B, Grade Optional min. 1.5-inch ISO 95+ GL, GenFlex

33 steel or min. 2,500 psi

structural concrete

GL, GenFlex ISO

Insulation

SC-8.

ISO Insulation followed by Min. 0.5-inch

Tapered ISO 95+ GL, GenFlex ISO Insulation

I.S.O. Spray S

APP-CA

None

1 per 2 ft<sup>2</sup>

Note 2

APP-CA

-45.0\*



Constant	Deck	Base Insula	tion Layer		Top Insulation Layer	Roof Cover (Notes 15 & 16)			MDP	
System No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base	Ply	Сар	(psf)
SC-9.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	APP-CA	None	APP-CA	-45.0*
SC-10.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft²	Optional min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation followed by Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-45.0*
SC-11.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-45.0*
SC-12.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	APP-CA	None	APP-CA	-37.5*
SC-13.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	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. Stick	APP-CA	None	APP-CA	-37.5*
SC-14.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	APP-CA	None	APP-CA	-45.0*
SC-15.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-30.0*
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation followed by min. 0.5-inch FiberTop C, E or S	I.S.O. Stick	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-37.5*



Contain	Deck	Base Insula	tion Layer		Top Insulation Layer	Roof Cover (Notes 15 & 16)			MDP	
System No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base	Ply	Сар	(psf)
SC-17.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-45.0*
SC-18.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5*
SC-20.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5*
SC-21.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5*
SC-22.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5*
SC-23.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation followed by min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-30.0*



System	Deck	Base Insula	tion Layer		Top Insulation Layer		Roof	16)	MDP	
No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base	Ply	Сар	(psf)
SC-24.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-37.5*
SC-25.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-37.5*
SC-26.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-37.5*
SC-27.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation followed by min. 0.5-inch FiberTop C, E or S	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-37.5*
SC-28.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-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, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-45.0*
SC-30.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-45.0*



					NCRETE DECKS – NEW CONSTRUCTION, R HED BASE INSULATION, BONDED TOP INS					
	D. J.	Base Insula			Top Insulation Layer	,	T	Cover (Notes 15 &	16)	
System No.	Deck (Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base	Ply	Сар	MDP (psf)
SC-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP- CA, SBS-CA	SBS-CA	-45.0*
COLD-APPI	LIED BASE; FIRESTONE LIQUIGARD I	MEMBRANE ADHESIVE:								
SC-32.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2.7 ft <sup>2</sup>	Tapered ISO 95+ GL, GenFlex ISO Insulation or min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. FIX II, I.S.O. Stick	BP-CA2 or SBS-CA2	(Optional) BP- CA2 or SBS-CA2	SBS-CA2	-30.0*
SC-33.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Tapered ISO 95+ GL, GenFlex ISO Insulation or min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. FIX II, I.S.O. Stick	BP-CA2 or SBS-CA2	(Optional) BP- CA2 or SBS-CA2	SBS-CA2	-37.5*
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	BP-CA2 or SBS-CA2	(Optional) BP- CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-35.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BP-CA2 or SBS-CA2	(Optional) BP- CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-36.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP- CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 4 ft²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	LiquiGard, I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. FIX II, I.S.O. Stick	BP-CA2 or SBS-CA2	(Optional) BP- CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.6 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. FIX II or I.S.O. Stick	BP-CA2 or SBS-CA2	(Optional) BP- CA2 or SBS-CA2	SBS-CA2	-75.0
ASPHALT A	ND/OR TORCH APPLIED BASE:									



System	Deck	Base Insula	tion Layer		Top Insulation Layer	Roof	MDP			
No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base	Ply	Сар	(psf)
SC-39.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch Fiber Top	I.S.O. Spray R; I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP- TA	-37.5*
SC-40.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-AA, SBS- AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP- TA	-37.5*
SC-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.3-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2.4 ft²	Min. 0.5-inch Fiber Top	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP- TA	-45.0*
SC-42.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 4 ft²	Min. 0.5-inch Fiber Top	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP- TA	-45.0*
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft²	Min. 0.5-inch Fiber Top	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP- TA	-60.0
SC-44.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch Fiber Top	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP- TA	-75.0
SC-45.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch Fiber Top	I.S.O. Spray R; I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP- TA	-45.0*
SC-46.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; Min. 0.5-inch FiberTop C, E or S	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP- TA	-45.0*



-97.5

SBS-TA

### SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER **Base Insulation Laver** Top Insulation Layer Roof Cover (Notes 15 & 16) Deck MDP System Attach No. (Note 1) (psf) Type **Fasten** Type Attach **Base** Ply Cap (Note 21) Min. 2.2-inch ISO 95+ Optional base insulation or Min. 0.5-inch (Optional) One SBS-AA, GL, GenFlex ISO Tapered ISO 95+ GL, GenFlex ISO Insulation BP-AA, SBS-Min. 22 ga., type B, Grade I.S.O. Spray R; I.S.O. or more BP-AA, SBS-TA AA, SBS-TA -45.0\* SC-47. 33 steel or structrual Insulation or RESISTA, Note 2 1 per 4 ft<sup>2</sup> or Tapered RESISTA, GenFlex Coated Glass Twin Pack SBS-AA, SBS-TA or APPconcrete GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or or APP-TA or APP-TA TA SECUROCK Gypsum Fiber Roof Board Facer Min. 0.5-inch Dens (Optional) One SBS-AA, BP-AA, SBS-Min. 22 ga., type B, Grade Min. 1.5-inch ISO 95+ GL, GenFlex ISO I.S.O. FIX II; I.S.O. Deck, Dens Deck Prime or more BP-AA, SBS-TA SC-48. 33 steel or min. 2,500 psi 1 per 2 ft<sup>2</sup> Insulation; Min. 0.25-inch Dens Deck Prime AA, SBS-TA -45.0\* Note 2 Stick; I.S.O. Spray R; SBS-AA, SBS-TA or APPor SECUROCK Gypsumstructural concrete or SECUROCK Gypsum Fiber Roof Board I.S.O. Twin Pack or APP-TA Fiber Roof Board or APP-TA TA (Optional) One Optional min. 0.5-inch base insulation; SBS-CA2. Min. 22 ga., type B, Grade Min. 2-inch ISO 95+ GL, 1 per 1.6 I.S.O. Stick, 6-inch BP-AA, SBSor more SBS-80 steel or min. 2.500 psi SBS-AA. SC-49. Note 2 Min. 0.5-inch SECUROCK Gypsum-Fiber -67.5 GenFlex ISO Insulation ft<sup>2</sup> o.c. AA, SBS-TA CA2, BP-AA, structural concrete **Roof Board** SBS-TA SBS-AA, SBS-TA Min. 22 ga., type B, Grade (Optional) BP-Min. 2-inch ISO 95+ GL, BP-AA, SBS-80 steel or min. 2.500 psi SC-50. Note 2 1 per 1 ft<sup>2</sup> Min. 0.5-inch Dens Deck Prime I.S.O. Spray R AA. SBS-AA. SBS-TA -82.5 GenFlex ISO Insulation AA, SBS-TA structural concrete SBS-TA Min. 22 ga., type B, Grade (Optional) BP-Min. 2-inch ISO 95+ GL. BP-AA. SBS-

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

### SELF-ADHERING BASE:

SC-51.

SC-52.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Optional min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP- TA	-37.5*
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2 ft²	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP- TA	-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, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	BASEGARD SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP- TA	-45.0*

Min. 0.5-inch Dens Deck Prime

Ontional base insulation or Min O.5 inch

I.S.O. Spray R

Note 2

GenFlex ISO Insulation

1 per 1 ft<sup>2</sup>

80 steel or min. 2,500 psi

structural concrete

AA, SBS-AA,

SBS-TA

AA. SBS-TA



Cuatana	Deck	Base Insula	tion Layer		Top Insulation Layer	Roof Cover (Notes 15 & 16)			MDP	
System No.	(Note 1)	Tyne Fasten		Attach (Note 21)	Туре	Attach	Base	Ply	Сар	(psf)
SC-55.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft²	Optional min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BASEGARD SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP- TA	-45.0*
SC-56.	Min. 22 ga., type B, Grade 33 steel or structrual concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 4 ft²	Optional base insulation or Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Optional min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP- TA	-45.0*
SC-57.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.6 ft <sup>2</sup>	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, 6-inch o.c.	BASEGARD SA	(Optional) SBS- AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-58.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1 ft²	Min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II, I.S.O. Spray S or I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	BASEGARD SA	(Optional) SBS- AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1 ft²	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II, I.S.O. Spray S or I.S.O. Twin Pack, 4-inch o.c.	BASEGARD SA	(Optional) SBS- AA, SBS-TA	SBS-AA, SBS-TA	-105.0



### TABLE 2A-2: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER Thermal Barrier Insulation Layer(s) Roof Cover (Notes 15 & 16) System Deck MDP Attach Temp Roof (psf) No. (Note 1) Type Fasten (Note Attach Base Ply Cap Type 21) COLD-APPLIED BASE; FIRESTONE MULTI-PURPOSE MB COLD ADHESIVE: Min. 22 ga., Type Min. 0.25-inch Dens B, Grade 33 steel Deck or 0.5-inch One or more layers Min. 1.5-inch ISO 95+ GL, I.S.O. BP-CA or (Optional) BP-CA, 1 per 4 SC-60. or min. 2.500 psi V-Force SBS-CA -45.0\* SECUROCK Gypsum Note 2 GenFlex ISO Insulation: optional Min. 0.5-inch ft2 Stick SBS-CA SBS-CA structural Fiber Roof Board primed Tapered ISO 95+ GL. GenFlex ISO Insulation with V-Force SB Primer concrete Min. 22 ga., Type Min. 0.25-inch Dens B, Grade 33 steel Deck or 0.5-inch One or more layers Min. 1.5-inch ISO 95+ GL, I.S.O. 1 per 4 SC-61. or min. 2,500 psi SECUROCK Gypsum Note 2 V-Force GenFlex ISO Insulation; optional Min. 0.5-inch APP-CA APP-CA -45.0\* None ft<sup>2</sup> Stick structural Fiber Roof Board primed Tapered ISO 95+ GL, GenFlex ISO Insulation with V-Force SB Primer concrete Min. 22 ga., Type Min. 0.25-inch Dens One or more layers Min. 1.5-inch ISO 95+ GL, B. Grade 33 steel Deck or 0.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch I.S.O. BP-CA or (Optional) BP-CA, 1 per 4 SC-62. or min. 2.500 psi SECUROCK Gypsum V-Force SBS-CA -37.5\* Note 2 Tapered ISO 95+ GL, GenFlex ISO Insulation; Stick SBS-CA SBS-CA structural Fiber Roof Board primed Min. 0.50-inch FiberTop C, E, S concrete with V-Force SB Primer Min. 0.25-inch Dens Min. 22 ga., Type One or more layers Min. 1.5-inch ISO 95+ GL, B, Grade 33 steel Deck or 0.5-inch I.S.O. BP-CA or GenFlex ISO Insulation; optional Min. 0.5-inch (Optional) BP-CA, 1 per 4 SC-63. or min. 2,500 psi SECUROCK Gypsum Note 2 V-Force SBS-CA -45.0\* Tapered ISO 95+ GL, GenFlex ISO Insulation; Stick SBS-CA SBS-CA Fiber Roof Board primed structural Min. 0.50-inch ISOGARD HD, GenFlex HD ISO with V-Force SB Primer concrete Min. 22 ga., Type Min. 0.25-inch Dens One or more layers Min. 1.5-inch ISO 95+ GL, B, Grade 33 steel Deck or 0.5-inch 1 per 4 GenFlex ISO Insulation; optional Min. 0.5-inch I.S.O. SC-64. V-Force APP-CA APP-CA -45.0\* or min. 2,500 psi SECUROCK Gypsum Note 2 None Tapered ISO 95+ GL, GenFlex ISO Insulation; Stick structural Fiber Roof Board primed Min. 0.50-inch ISOGARD HD, GenFlex HD ISO concrete with V-Force SB Primer Min. 0.25-inch Dens One or more layers Min. 1.5-inch ISO 95+ GL, Min. 22 ga., Type B, Grade 33 steel Deck or 0.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch I.S.O. BP-CA or 1 per 4 (Optional) BP-CA, SC-65. or min. 2,500 psi SECUROCK Gypsum Note 2 V-Force Tapered ISO 95+ GL, GenFlex ISO Insulation; SBS-CA -30.0\* ft<sup>2</sup> Stick SBS-CA SBS-CA structural Fiber Roof Board primed Min. 0.25-inch Dens Deck Prime or SECUROCK concrete with V-Force SB Primer Gypsum Fiber Roof Board Min. 0.25-inch Dens One or more layers Min. 1.5-inch ISO 95+ GL, Min. 22 ga., Type B, Grade 33 steel Deck or 0.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch 1 per 4 I.S.O. SC-66. or min. 2,500 psi SECUROCK Gypsum V-Force Tapered ISO 95+ GL, GenFlex ISO Insulation; APP-CA APP-CA -37.5\* Note 2 None Stick structural Fiber Roof Board primed Min. 0.25-inch Dens Deck Prime or SECUROCK with V-Force SB Primer Gypsum Fiber Roof Board concrete

COLD-APPLIED BASE: FIRESTONE LIQUIGARD MEMBRANE ADHESIVE:



### TABLE 2A-2: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER Thermal Barrier Insulation Layer(s) Roof Cover (Notes 15 & 16) Deck MDP System Attach Temp No. Roof (psf) (Note 1) Fasten (Note Ply Type Type Attach Base Cap 21) Min. 22 ga., Type Min. 0.25-inch Dens B, Grade 33 steel Deck or 0.5-inch One or more layers Min. 1.5-inch ISO 95+ GL, I.S.O. 1 per 4 BP-CA2 or (Optional) BP-CA2 or -45.0\* or min. 2,500 psi SECUROCK Gypsum V-Force GenFlex ISO Insulation; optional Min. 0.5-inch SBS-CA2 SC-67. Note 2 Stick SBS-CA2 SBS-CA2 Fiber Roof Board primed Tapered ISO 95+ GL, GenFlex ISO Insulation structural concrete with V-Force SB Primer One or more layers Min. 1.5-inch ISO 95+ GL, Min. 22 ga., Type Min. 0.25-inch Dens GenFlex ISO Insulation; optional Min. 0.5-inch B, Grade 33 steel Deck or 0.5-inch Tapered ISO 95+ GL. GenFlex ISO Insulation: I.S.O. BP-CA2 or 1 per 4 (Optional) BP-CA2 or V-Force SC-68. or min. 2,500 psi SECUROCK Gypsum Note 2 SBS-CA2 -45.0\* Min. 0.50-inch ISOGARD HD, GenFlex HD ISO Stick SBS-CA2 SBS-CA2 structural Fiber Roof Board primed or Min. 0.25-inch Dens Deck Prime or with V-Force SB Primer concrete SECUROCK Gypsum Fiber Roof Board ASPHALT AND/OR TORCH APPLIED BASE: Min. 22 ga., Type Min. 0.25-inch Dens One or more layers Min. 1.5-inch ISO 95+ GL, B. Grade 33 steel Deck or 0.5-inch (Optional) One or SBS-AA. 1 per 4 GenFlex ISO Insulation; optional Min. 0.5-inch I.S.O. BP-AA or SC-69. SECUROCK Gypsum V-Force more BP-AA. SBS-AA. SBS-TA or -45.0\* or min. 2,500 psi Note 2 ft2 Tapered ISO 95+ GL, GenFlex ISO Insulation; Stick SBS-AA structural Fiber Roof Board primed SBS-TA or APP-TA APP-TA Min. 0.50-inch FiberTop C, E, S concrete with V-Force SB Primer Min. 22 ga., Type Min. 0.25-inch Dens One or more layers Min. 1.5-inch ISO 95+ GL, B, Grade 33 steel Deck or 0.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch BP-AA, SBS-(Optional) One or SBS-AA. I.S.O. 1 per 4 SC-70. or min. 2,500 psi SECUROCK Gypsum V-Force Tapered ISO 95+ GL, GenFlex ISO Insulation; AA, SBS-TA more BP-AA, SBS-AA, SBS-TA or -45.0\* Note 2 ft<sup>2</sup> Stick structural Fiber Roof Board primed Min. 0.25-inch Dens Deck Prime or SECUROCK or APP-TA SBS-TA or APP-TA APP-TA concrete with V-Force SB Primer Gypsum Fiber Roof Board SELF-ADHERING BASE: Min. 22 ga., Type Min. 0.25-inch Dens B, Grade 33 steel Deck or 0.5-inch One or more layers Min. 1.5-inch ISO 95+ GL, 1 per 4 I.S.O. BASEGARD (Optional) SBS-TA or SBS-TA or GenFlex ISO Insulation; optional Min. 0.5-inch SC-71. or min. 2,500 psi SECUROCK Gypsum Note 2 V-Force -45.0\* ft<sup>2</sup> Stick SA APP-TA APP-TA structural Fiber Roof Board primed Tapered ISO 95+ GL, GenFlex ISO Insulation with V-Force SB Primer concrete One or more layers Min. 1.5-inch ISO 95+ GL, Min. 22 ga., Type Min. 0.25-inch Dens GenFlex ISO Insulation; optional Min. 0.5-inch B, Grade 33 steel Deck or 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation; I.S.O. BASEGARD (Optional) SBS-TA or SBS-TA or 1 per 4 SC-72. V-Force or min. 2,500 psi SECUROCK Gypsum Note 2 -45.0\* ft<sup>2</sup> APP-TA Min. 0.50-inch ISOGARD HD, GenFlex HD ISO Stick SA APP-TA structural Fiber Roof Board primed or Min. 0.25-inch Dens Deck Prime or concrete with V-Force SB Primer SECUROCK Gypsum Fiber Roof Board



		TABLE 2B: STEEL OR STR	UCTURAL CONCRETE DECKS – NEW CONST	RUCTION, R	EROOF (TEAR-	Off) or RECOVER			
		SYSTEM TY	PE C: MECHANICALLY ATTACHED INSULA	TION, BOND	ED ROOF COV	/ER			
System			Top Insulation Lay	er		Roo	of Cover (Notes 15 & 16)		MDP
No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base	Ply	Сар	(psf)
COLD-APPLIE	D BASE; FIRESTONE MULTI-PURPO	SE MB COLD ADHESIVE:				_	_		
SC-73.	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, GenFlex ISO Insulation	Note 2	1 per 2 ft <sup>2</sup>	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-74.	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, GenFlex ISO Insulation	Note 2	1 per 2 ft <sup>2</sup>	APP-CA	None	APP-CA	-45.0*
SC-75.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft <sup>2</sup>	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-76.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft <sup>2</sup>	APP-CA	None	APP-CA	-45.0*
SC-77.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-78.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft <sup>2</sup>	APP-CA	None	APP-CA	-45.0*
SC-79.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Fiber Top or min. 0.25-inch Dens Deck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	Note 2	1 per 2 ft <sup>2</sup>	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-80.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Fiber Top or min. 0.25-inch Dens Deck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	Note 2	1 per 2 ft <sup>2</sup>	APP_CA	None	APP-CA	-45.0*
SC-81.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	Note 2	1 per 2.7 ft <sup>2</sup>	BP-CA or SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-82.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	Note 2	1 per 2.7 ft <sup>2</sup>	APP-CA	None	APP-CA	-45.0*
SC-83.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, GenFlex HD Composite ISO	Note 2	1 per 4 ft <sup>2</sup>	BP-CA or SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-84.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, GenFlex HD Composite ISO	Note 2	1 per 4 ft <sup>2</sup>	APP-CA	None	APP-CA	-45.0*
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. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.3 ft <sup>2</sup>	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5



		TABLE 2B: STEEL OR STR	UCTURAL CONCRETE DECKS – NEW CONST	TRUCTION, R	EROOF (TEAR-	OFF) OR RECOVER			
		SYSTEM TY	PE C: MECHANICALLY ATTACHED INSULA	TION, BOND	ED ROOF COV	ER			
System			Top Insulation Lay	er	1	Roo	f Cover (Notes 15 & 16)	_	MDP
No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base	Ply	Сар	(psf)
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. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.3 ft <sup>2</sup>	APP-CA	None	APP-CA	-52.5
SC-87.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.3 ft <sup>2</sup>	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
SC-88.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.3 ft <sup>2</sup>	APP-CA	None	APP-CA	-52.5
SC-89.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.3 ft <sup>2</sup>	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
SC-90.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.3 ft <sup>2</sup>	APP-CA	None	APP-CA	-52.5
SC-91.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation, long joints staggered 4 ft	Note 2	1 per 1.8 ft <sup>2</sup>	SBS-CA	None	SBS-CA	-60.0
SC-92.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, GenFlex HD Composite ISO, long joints staggered 4 ft	Note 2	1 per 2.7 ft <sup>2</sup>	SBS-CA	None	SBS-CA	-60.0
SC-93.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5-inch, any combination, loose laid	Min. 1-inch RESISTA, GenFlex Coated Glass Facer or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	Note 2	1 per 1.6 ft <sup>2</sup>	SBS-CA	None	SBS-CA	-67.5
SC-94.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, GenFlex HD Composite ISO, long joints staggered 4 ft	Note 2	1 per 1.8 ft <sup>2</sup>	SBS-CA	None	SBS-CA	-75.0
SC-95.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.5 ft <sup>2</sup>	SBS-CA	None	SBS-CA	-90.0
COLD-APPLIE	D BASE; FIRESTONE LIQUIGARD M	EMBRANE ADHESIVE:							
SC-96.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2.7 ft <sup>2</sup>	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-97.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 4 ft <sup>2</sup>	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-98.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch Dens Deck Prime or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	Note 2	1 per 2.7 ft <sup>2</sup>	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*



		TABLE 2B: STEEL OR STR	UCTURAL CONCRETE DECKS – NEW CONST	RUCTION, R	EROOF (TEAR-	Off) or RECOVER			
		SYSTEM TY	PE C: MECHANICALLY ATTACHED INSULA		ED ROOF COV				
System	Deal (Nate 4)	Sana Landa Indiana Landa	Top Insulation Layer			Roo	f Cover (Notes 15 & 16)	1	MDP
No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base	Ply	Сар	(psf)
SC-99.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-60.0
SC-100.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, GenFlex HD Composite ISO, long joints staggered 4 ft	Note 2	1 per 2.7 ft <sup>2</sup>	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-60.0
SC-101.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5- inch, any combination, loose laid	Min. 1-inch RESISTA, GenFlex Coated Glass Facer or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	Note 2	1 per 1.6 ft <sup>2</sup>	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-67.5
SC-102.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, GenFlex HD Composite ISO, long joints staggered 4 ft	Note 2	1 per 1.8 ft²	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0
SC-103.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.6 ft <sup>2</sup>	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-82.5
SC-104.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.3 ft <sup>2</sup>	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-90.0
SC-105.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1 ft²	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-97.5
SC-106.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1 ft²	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-112.5
SC-107.	Min. 22 ga., Type B, Grade 80 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1 ft²	BP-CA2 or SBS- CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-135.0
ASPHALT AND	OR TORCH APPLIED BASE:								
SC-108.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5inch Fiber Top	Note 2	1 per 2 ft <sup>2</sup>	BP-AA or SBS- AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-109.	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. 0.25-inch Dens-Deck Prime	Note 2	1 per 4 ft <sup>2</sup>	BP-AA, SBS-AA, SBS-TA or APP- TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-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 Top Insulation Laver Roof Cover (Notes 15 & 16) MDP System Deck (Note 1) **Base Insulation Layer** Attach No. (psf) Type **Fasteners** Base Ply Cap (Note 21) Min. 22 ga., type B, Grade BP-AA, SBS-AA, (Optional) One or SBS-AA. (Optional) One or more layers, Min. 0.25-inch Dens Deck or 0.25-inch 1 per 2 ft<sup>2</sup> 33 steel or min. 2,500 psi SBS-TA or APPmore BP-AA, SBS-AA, SBS-TA or -45.0\* SC-110. Note 2 any combination, loose laid SECUROCK Gypsum Fiber Roof Board structural concrete TA SBS-TA or APP-TA APP-TA Min. 22 ga. Type B, Grade One or more layers, min. 1-inch, Min. 0.5-inch Dens Deck Prime, long joints BP-AA, SBS-AA, (Optional) BP-AA, SBS-AA. 1 per 1.3 ft<sup>2</sup> SC-111. Note 2 -67.5 any combination, loose laid SBS-TA SBS-AA, SBS-TA SBS-TA 33 steel staggered 4 ft Min. 22 ga. Type B, Grade One or more layers, min. 1-inch, Min. 0.25-inch SECUROCK Gypsum-Fiber BP-AA, SBS-AA, (Optional) BP-AA, SBS-AA, SC-112. 1 per 1.8 ft<sup>2</sup> Note 2 -67.5 SBS-TA 33 steel any combination, loose laid Roof Board, long joints staggered 4 ft SBS-AA, SBS-TA SBS-TA SBS-AA, Min. 22 ga. Type B, Grade One or more layers, min. 1-inch, Min. 0.5-inch SECUROCK Gypsum-Fiber BP-AA, SBS-AA, (Optional) BP-AA, SC-113. Note 2 1 per 1.8 ft<sup>2</sup> -75.0 33 steel any combination, loose laid Roof Board, long joints staggered 4 ft SBS-TA SBS-AA, SBS-TA SBS-TA Min. 22 ga., type B, Grade Min. 1.5-inch SC-114. 33 steel or min. 2,500 psi Min. 0.5-inch Dens-Deck Prime Note 2 1 per 1.3 ft<sup>2</sup> SBS-TA SBS-TA -97.5 ISO 95+ GL, GenFlex ISO None structural concrete Insulation Min. 2.2-inch Min. 22 ga., type B, Grade BP-AA or SBS-One or more BP-AA 33 steel or min. 2,500 psi 1 per 1.3 ft<sup>2</sup> -112.5 SC-115. ISO 95+ GL, GenFlex ISO Min. 0.5-inch Dens-Deck Prime Note 2 SBS-AA or SBS-AA structural concrete Insulation Min. 1.5-inch Min. 22 ga., type B, Grade SC-116. 33 steel or min. 2,500 psi ISO 95+ GL, GenFlex ISO Min. 0.5-inch Dens-Deck Prime Note 2 1 per 1 ft<sup>2</sup> SBS-TA SBS-TA -127.5 None structural concrete Insulation Min. 1.5-inch Min. 22 ga., type B, Grade Min. 0.5-inch SECUROCK Gypsum-Fiber SBS-TA -150.0 SC-117. 33 steel or min. 2.500 psi ISO 95+ GL, GenFlex ISO Note 2 1 per 1 ft<sup>2</sup> (Optional) SBS-TA SBS-TA **Roof Board** structural concrete Insulation Min. 22 ga., type B, Grade Min. 2.2-inch One or more BP-AA BP-AA or SBS-1 per 1 ft<sup>2</sup> SC-118. 33 steel or min. 2,500 psi SBS-AA -157.5 ISO 95+ GL, GenFlex ISO Min. 0.5-inch Dens-Deck Prime Note 2 or SBS-AA structural concrete Insulation Min. 22 ga., type B, Grade Min. 2.2-inch Min. 0.5-inch SECUROCK Gypsum-Fiber BP-AA or SBS-One or more BP-AA 33 steel or min. 2,500 psi SC-119. Note 2 1 per 1.3 ft<sup>2</sup> SBS-AA -157.5 ISO 95+ GL, GenFlex ISO Roof Board or SBS-AA structural concrete Insulation Min. 2.2-inch Min. 22 ga., type B, Grade Min. 0.5-inch SECUROCK Gypsum-Fiber BP-AA or SBS-One or more BP-AA SC-120. 33 steel or min. 2,500 psi ISO 95+ GL. GenFlex ISO Note 2 1 per 1 ft<sup>2</sup> SBS-AA -172.5 Roof Board or SBS-AA structural concrete Insulation **SELF-ADHERING BASE:** Min. 22 ga., type B, Grade One or more layers, any (Optional) SBS-TA or SBS-TA or SC-121. 33 steel or min. 2.500 psi Min. 0.25-inch Dens-Deck Prime Note 2 1 per 2 ft<sup>2</sup> BASEGARD SA -45.0\* combination, loose laid APP-TA APP-TA structural concrete



### TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER Top Insulation Laver Roof Cover (Notes 15 & 16) MDP System Deck (Note 1) **Base Insulation Layer** Attach No. (psf) Type **Fasteners** Base Ply Cap (Note 21) Min. 22 ga., type B, Grade One or more layers, any 33 steel or min. 2,500 psi 1 per 2 ft<sup>2</sup> -45.0\* SC-122. Min. 0.25-inch Dens-Deck Prime Note 2 **BASEGARD SA** (Optional) SBS-AA SBS-AA combination, loose laid structural concrete Min. 2.2-inch (Optional) One or more layers, (Optional) SBS-TA or SBS-TA or Min. 22 ga., type B, Grade 1 per 4 ft<sup>2</sup> BASEGARD SA -45.0\* SC-123. Note 2 33 steel any combination. loose laid ISO 95+ GL. GenFlex ISO Insulation APP-TA APP-TA Min. 2,500 psi structural (Optional) One or more layers, Min. 1.5-inch (Optional) SBS-TA or SBS-TA or 1 per 4 ft<sup>2</sup> -45.0\* SC-124. BASEGARD SA Note 2 concrete any combination, loose laid ISO 95+ GL, GenFlex ISO Insulation APP-TA APP-TA Min. 22 ga., type B, Grade Min. 1.5-inch (Optional) One or more layers, SC-125. 33 steel or min. 2,500 psi Note 2 1 per 2.7 ft<sup>2</sup> BASEGARD SA (Optional) SBS-TA SBS-TA -45.0\* any combination, loose laid ISO 95+ GL, GenFlex ISO Insulation structural concrete (Optional) One or more layers, Min. 2.2-inch Min. 22 ga., type B, Grade SC-126. Note 2 1 per 4 ft<sup>2</sup> BASEGARD SA -45.0\* (Optional) SBS-AA SBS-AA 33 steel any combination, loose laid ISO 95+ GL, GenFlex ISO Insulation Min. 2,500 psi structural (Optional) One or more layers, Min. 1.5-inch 1 per 4 ft<sup>2</sup> SC-127. BASEGARD SA SBS-AA -45.0\* Note 2 (Optional) SBS-AA concrete any combination, loose laid ISO 95+ GL, GenFlex ISO Insulation Min. 22 ga., Type B, (Optional) One or more layers, SBS-TA or Min. 1.5-inch RESISTA, GenFlex Coated (Optional) SBS-TA or -45.0\* SC-128. Grade 33 or min. 2,500 Note 2 1 per 2.7 ft<sup>2</sup> BASEGARD SA any combination, loose laid APP-TA APP-TA Glass Facer psi structural concrete Min. 22 ga., Type B, (Optional) One or more layers, (Optional) SBS-TA or SBS-TA or Grade 33 or min. 2,500 1 per 2.7 ft<sup>2</sup> BASEGARD SA -45.0\* SC-129. Min. 0.5-inch ISOGARD HD. GenFlex HD ISO Note 2 APP-TA APP-TA any combination, loose laid psi structural concrete Min. 22 ga., Type B, (Optional) One or more layers, Min. 1.5-inch ISOGARD HD Composite, (Optional) SBS-TA or SBS-TA or Grade 33 or min. 2,500 1 per 4 ft<sup>2</sup> BASEGARD SA -45.0\* SC-130. Note 2 any combination, loose laid GenFlex HD Composite ISO APP-TA APP-TA psi structural concrete Min. 22 ga., Type B, (Optional) One or more layers, Min. 1.5-inch RESISTA, GenFlex Coated SC-131. Grade 33 or min. 2,500 Note 2 1 per 2.7 ft<sup>2</sup> BASEGARD SA (Optional) SBS-AA SBS-AA -45.0\* any combination, loose laid Glass Facer psi structural concrete Min. 22 ga., Type B. (Optional) One or more layers, SC-132. Grade 33 or min. 2.500 Note 2 1 per 2.7 ft<sup>2</sup> BASEGARD SA SBS-AA -45.0\* Min. 0.5-inch ISOGARD HD, GenFlex HD ISO (Optional) SBS-AA any combination, loose laid psi structural concrete Min. 22 ga., Type B, (Optional) One or more layers, Min. 1.5-inch ISOGARD HD Composite. SC-133. Grade 33 or min. 2,500 Note 2 1 per 4 ft<sup>2</sup> BASEGARD SA (Optional) SBS-AA SBS-AA -45.0\* any combination, loose laid GenFlex HD Composite ISO psi structural concrete Min. 2-inch ISO 95+ GL, GenFlex ISO SBS-AA, Min. 22 ga. Type B, Grade (Optional) One or more layers, (Optional) BP-AA, 1 per 2.7 ft<sup>2</sup> SC-134. Note 2 BASEGARD SA -45.0 33 steel any combination, loose laid Insulation SBS-AA, SBS-TA SBS-TA Min. 22 ga. Type B, Grade (Optional) One or more layers, Min. 1.5-inch ISO 95+ GL, GenFlex ISO (Optional) SBS-AA or SBS-AA or 1 per 1.8 ft<sup>2</sup> SC-135. Note 2 BASEGARD SA -60.0 33 steel any combination, loose laid Insulation SBS-TA SBS-TA



	TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS — NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
Constant			Top Insulation Lay	er		Roc	of Cover (Notes 15 & 16)		MADD	
System No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base	Ply	Сар	MDP (psf)	
SC-136.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, GenFlex HD Composite ISO, long joints staggered 4 ft	Note 2	1 per 2.7 ft <sup>2</sup>	BASEGARD SA	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0	
SC-137.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5- inch, any combination, loose laid	Min. 1-inch RESISTA, GenFlex Coated Glass Facer or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	Note 2	1 per 1.6 ft <sup>2</sup>	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5	
SC-138.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	Note 2	1 per 1.8 ft <sup>2</sup>	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5	
SC-139.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, GenFlex HD Composite ISO, long joints staggered 4 ft	Note 2	1 per 1.8 ft <sup>2</sup>	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0	
SC-140.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1.3 ft <sup>2</sup>	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0	
SC-141.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	Note 2	1 per 1.8 ft <sup>2</sup>	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0	



					FION, REROOF (TEAR-OFF) OR RECOVER SHEET, BONDED ROOF COVER			
5 1 (9)	1				Roof Cover (I	Notes 15 & 16)	MDP	
Deck (Note 1)	Туре	Attach	Туре	Fasteners	Attach	Ply	Сар	(psf)
ED; FIRESTONE MULTI-PURPOSE M	B COLD ADHESIVE:							
Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	SBS Base, SBS Base-P, SBS Premium	Note 2, but with Dekfast Hex only	18-inch o.c. at the 3-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) BP- CA or SBS-CA	SBS-CA	-45.0*
Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	MB Base, Channel Venting Base	Note 2	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) BP- CA or SBS-CA	SBS-CA or APP- CA	-45.0*
Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	SBS Poly Base	Firestone All Purpose Fastener with MB 2" Barbed Metal Lap Plates	12-inch o.c. within the 4-inch torch side lap	None	SBS-CA or APP- CA	-45.0*
Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or ISO 300	Loose-laid	SBS Poly Torch Base	Firestone Heavy-Duty Plus with Firestone Coiled Metal Batten Strip	12-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-67.5
Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or ISO 300	Loose-laid	SBS Poly Torch Base	Firestone Heavy-Duty Plus with Firestone Coiled Metal Batten Strip	6-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-112.5
Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or ISO 300	Loose-laid	SBS Poly Torch Base	Firestone Heavy-Duty Plus with Firestone Coiled Metal Batten Strip	6-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-127.5
ED; FIRESTONE LIQUIGARD MEMBR	ANE ADHESIVE:							
Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base, SBS Base, SBS PolyBase, SBS Premium Base	Note 2	18-inch o.c. at the min. 3-inch side lap and 18-inch o.c. at one staggered row in the center of the sheet	(Optional)SBS- CA2	SBS-CA2	-45.0*
Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	MB Base, Channel Venting Base, SBS Base, SBS PolyBase, SBS Premium Base	Note 2	12-inch o.c. at the min. 4-inch side lap and 12-inch o.c. at two, equally spaced staggered rows in the center of the sheet	SBS-CA2	SBS-CA	-60.0
	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel  Min. 22 ga., type B, Grade 33 steel  Min. 22 ga., type B, Grade 33 steel  Min. 22 ga., type B, Grade 80 steel  ED; FIRESTONE LIQUIGARD MEMBR  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi	Deck (Note 1)  Type  ED; FIRESTONE MULTI-PURPOSE MB COLD ADHESIVE:  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel  Min. 22 ga., type B, Grade 80 steel  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  One or more layers, any combination  One or more layers, any combination  One or more layers, any combination  One or more layers, any combination	Insulation Layer(s)   Type   Attach	Deck (Note 1)   Type   Attach   Type	Deck (Note 1)   Insulation Layer(s)   Type   Attach   Type   Fasteners	Type   Attach   Type   Fasteners   Attach	Deck (Note 1)   Insulation Layer(s)   Type   Attach   Type   Fasteners   Attach   Ply	Deck (Note 1)   Type   Attach   Type   Fasteners   Attach   Type   Cap   Cap



						TION, REROOF (TEAR-OFF) OR RECOVER SHEET, BONDED ROOF COVER			
System	- 160 - 0	Insulation I	.ayer(s)		Base She	et	Roof Cover (	Notes 15 & 16)	MDP
No.	Deck (Note 1)	Туре	Attach	Туре	Fasteners	Attach	Ply	Сар	(psf)
SC-150.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Note 2	18-inch o.c. at the 3-inch side lap and 36-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-151.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	SBS Poly Torch Base	Firestone All Purpose Fastener with MB 2" Barbed Metal Lap Plates	18-inch o.c. within the 4-inch torched side lap.	(Optional) SBS- TA	SBS-TA	-45.0*
SC-152.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	SBS Poly Base	Firestone HD Fasteners with Firestone Coiled Metal Batten Strip	18-inch o.c. through the batten strips at the 4-inch laps	One or more BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS- TA	-52.5
SC-153.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	SBS Poly Torch Base	Firestone HD Fasteners with Firestone Batten Strips	12-inch o.c. through the batten strips within the 4-inch wide torched laps	(Optional) SBS- TA	SBS-TA (polyester only)	-67.5
SC-154.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base or Venting Base Sheet	Note 2	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS- TA	SBS-AA or SBS- TA	-82.5
SC-155.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	SBS Poly Torch Base	Firestone HD Plus Fasteners with Firestone Coiled Metal Batten Strip	6-inch o.c. through the batten strips within the 4-inch torched laps	(Optional) SBS- TA	SBS-TA (polyester only)	-157.5
SELF-ADHER	ING BASE PLY:								
SC-156.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	SBS Poly Base	Firestone HD Fasteners with Firestone Coiled Metal Batten Strip	18-inch o.c. through the batten strips at the 4-inch laps	BASEGARD SA	SBS-AA or SBS- TA	-52.5



# TABLE 3A: 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	Deck	Primer	Base Insulation L	ayer	Top Insulation Layer		Ro	Roof Cover (Notes 15 & 16)		
No.	( Note 1)	Primer	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
COLD-APPI	LIED BASE; FIRESTO	NE <b>M</b> ULTI-PURP	OSE MB COLD ADHESIVE:							
C-1	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers or base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
C-2	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers or base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-52.5
C-3	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation followed by min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0
C-4	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation followed by min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-60.0
C-5	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack or CR-20	(Optional) One or more layers base insulation	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack or CR-20	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5



# TABLE 3A: 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	•		Base Insulation L	ayer	Top Insulation Layer		Ro	of Cover (Notes 15 &	16)	MDP
No.	( Note 1)	Primer	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
C-6	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack or CR-20	(Optional) One or more layers base insulation	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack or CR-20	APP-CA	None	APP-CA	-67.5
C-7	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
C-8	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-67.5
C-9	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack or CR-20	(Optional) One or more layers base insulation	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack or CR-20	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
C-10	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS-TA	-144.5
C-11	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	APP-CA	None	APP-CA	-67.5
C-12	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
C-13	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	APP-CA	None	APP-CA	-52.5



# TABLE 3A: 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	Deck	Primer	Base Insulation L	Base Insulation Layer Top Insulation Layer Roof Cover (I		oof Cover (Notes 15 &	16)	MDP		
No.	( Note 1)	Primer	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
C-14	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
C-15	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	APP-CA	None	APP-CA	-67.5
C-16	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
C-17	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	АРР-СА	None	APP-CA	-37.5
C-18	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5
COLD-APPI	LIED BASE; FIRESTO	NE LIQUIGARD I	MEMBRANE ADHESIVE:							
C-19	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	LiquiGard	Min. 0.25-inch Dens Deck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-255.0
C-20	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	LiquiGard	(Optional) One or more layers base insulation	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-292.5
C-21	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	LiquiGard	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-292.5
C-22	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. Stick; I.S.O. Twin Pack	None	N/A	SBS-CA2	(Optional) SBS- CA2, SBS-AA, SBS- TA	SBS-CA, SBS- CA2, SBS-AA or SBS-TA	-400.0



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

System	Deck	Primer	Base Insulation L	ayer	Top Insulation Layer		Ro	oof Cover (Notes 15 &	16)	MDP
No.	( Note 1)	Primer	Туре	Attach			Base	Ply	Сар	(psf)
C-23	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer		BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-277.5
C-24	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-277.5
C-25	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-255.0
ASPHALT A	ND/OR TORCH APP	LIED BASE:								
C-26	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) SBS-TA	SBS-TA	-45.0
C-27	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch FiberTop	Hot Asphalt	BP-AA	None	APP-TA	-97.5
C-28	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch FiberTop	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-120.0
C-29	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot asphalt	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA	SBS-AA	-120.0
C-30	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot asphalt	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-31	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.25-inch Dens Deck or SECUROCK Gypsum- Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-225.0
C-32	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch FiberTop	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-422.5



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

System	Deck	Primer	Base Insulation La	ayer	Top Insulation Layer		Ro	of Cover (Notes 15 &	16)	MDP
No.	( Note 1)	Primer	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
C-33	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch Structodek High Density Fiberboard	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-520.0
C-34	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	None	N/A	SBS-AA, SBS- TA	(Optional) SBS- CA2, SBS-AA, SBS- TA	SBS-CA, SBS- CA2, SBS-AA or SBS-TA	-400.0
C-35	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-462.5
C-36	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-37	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch Dens Deck or SECUROCK Gypsum- Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-157.5
C-38	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	None	N/A	SBS-AA, SBS- TA	(Optional) SBS- CA2, SBS-AA, SBS- TA	SBS-CA, SBS- CA2, SBS-AA or SBS-TA	-400.0
C-39	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-462.5
C-40	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-41	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.25-inch Dens Deck or SECUROCK Gypsum- Fiber Roof Board	I.S.O. Stick	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-225.0
C-42	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	None	N/A	SBS-AA, SBS- TA	(Optional) SBS- CA2, SBS-AA, SBS- TA	SBS-CA, SBS- CA2, SBS-AA or SBS-TA	-400.0
C-43	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-462.5
C-44	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch FiberTop C, E or S	I.S.O. Spray S	BP-AA or SBS-AA	(Optional) APP-TA	APP-TA	-97.5



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

System	Deck	Primer	Base Insulation La	ayer	Top Insulation Layer		Ro	oof Cover (Notes 15 &	16)	MDP
No.	( Note 1)	Primer	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
C-45	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch FiberTop C, E or S	I.S.O. Spray S	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA	SBS-AA	-120.0
C-46	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-47	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA	SBS-AA	-157.5
C-48	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	АРР-ТА	(Optional) APP-TA	APP-TA	-232.5
C-49	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	BP-AA or SBS-AA	(Optional) APP-TA	APP-TA	-240.0
C-50	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 1.25 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum- Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-87.5
C-51	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board		SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-52	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 1.5 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum- Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-180.0
C-53	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum- Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-225.0



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

System	Deck	Primer	Base Insulation La	ayer	Top Insulation Layer		Ro	oof Cover (Notes 15 &	16)	MDP
No.	( Note 1)	Primer	Туре	Attach	Type Att		Base	Ply	Сар	(psf)
C-54	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 2.0 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum- Fiber Roof Board		BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-225.0
SELF-ADHE	RING BASE:									
C-55	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot asphalt	Min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS- TA or APP-TA	-82.5
C-56	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-112.5
C-57	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-112.5
C-58	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	(Optional) One or more layers base insulation	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
C-59	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	(Optional) One or more layers base insulation	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-247.5
C-60	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	Optional additional layers or base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-61	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	Optional additional layers or base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
C-62	Min. 2,500 psi structural concrete	None	(Optional) One or more layers of min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-63	Min. 2,500 psi structural concrete	None	(Optional) One or more layers of min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5
C-64	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Firestone SA Primer	I.S.O. FIX II	None	N/A	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-400.0



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

System	Deck	Primer	Base Insulation La	ayer	Top Insulation Layer		Ro	of Cover (Notes 15 &	16)	MDP
No.	( Note 1)	riillei	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
C-65	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) One or more layers base insulation	I.S.O. Spray R; I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS- TA or APP-TA	-157.5
C-66	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers or base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray R; I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-67	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers or base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray R; I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
C-68	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-69	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray R; I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5
C-70	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS- TA or APP-TA	-82.5
C-71	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Firestone SA Primer	I.S.O. Twin Pack	None	N/A	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-400.0
C-72	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers base insulation	I.S.O. Stick	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
C-73	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers base insulation	I.S.O. Stick	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-240.0
C-74	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional additional layers or base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-75	Min. 2,500 psi structural concrete	None	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional additional layers or base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5



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

System	Deck	Primer	Base Insulation L	ayer	Top Insulation Layer		Ro	of Cover (Notes 15 &	16)	MDP
No.	( Note 1)	Primer	Туре	Attach	Туре		Base	Ply	Сар	(psf)
C-76	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-77	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5
C-78	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Firestone SA Primer	I.S.O. Stick	None	N/A	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-400.0
C-79	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
C-80	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-247.5
C-81	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-82	Min. 2,500 psi structural concrete	None	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
C-83	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-84	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5
C-85	Min. 2,500 psi structural concrete	None	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS- TA or APP-TA	-82.5
C-86	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Tapered ISO 95+ GL, GenFlex ISO Insulation	CR-20	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-112.5



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

System	Deck	Primer	Base Insulation La	yer	Top Insulation Layer	Ro	16)	MDP		
No.	( Note 1)	Filliei	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
C-87	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Tapered ISO 95+ GL, GenFlex ISO Insulation	CR-20	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-112.5
C-88	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-247.5
C-89	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0

TABLE 3B: STRUCTURAL CONCRETE DECKS — NEW CONSTRUCTION OR REROOF (TEAR-OFF)  SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER											
System	Dools (Note 1)	Duiman		Roof Cover (Notes 15 & 16)		AADD (mof)					
No.	Deck (Note 1)	Primer	Base	Ply	Сар	MDP (psf)					
COLD-APPLII	ED BASE; FIRESTONE MULTI-PURPOSE MB COLD	ADHESIVE:									
C-90	Min. 2,500 psi structural concrete	ASTM D41	BP-CA or SBS-CA	(Optional) BP-CA	SBS-CA	-67.5					
C-91	Min. 2,500 psi structural concrete	ASTM D41	APP-CA	None	APP-CA	-127.5					
C-92	Min. 2,500 psi structural concrete	None	SBS-CA	None	SBS-CA	-142.5					
C-93	Min. 2,500 psi structural concrete	ASTM D41	SBS-CA (excluding SBS Smooth)	None	SBS-CA	-180.0					
C-94	Min. 2,500 psi structural concrete	ASTM D41	SBS-CA	None	APP-CA	-225.0					
COLD-APPLII	ED BASE; FIRESTONE LIQUIGARD MEMBRANE AL	DHESIVE:									
C-95	Min. 2,500 psi structural concrete	None	BP-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-337.5					
C-96	Min. 2,500 psi structural concrete	None	MB Base in LiquiGard or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-495.0					
ASPHALT AN	D/OR TORCH APPLIED BASE:										
C-97	Min. 2,500 psi structural concrete	ASTM D41	APP-TA	(Optional) APP-TA	APP-TA	-312.5					
C-98	Min. 2,500 psi structural concrete	ASTM D41	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	APP-TA	-522.5					
C-99	Min. 2,500 psi structural concrete	ASTM D41	BP-AA or SBS-AA	(Optional) One or more BP-AA or SBS-AA	SBS-AA	-547.5					
SELF-ADHER	ELF-ADHERING BASE:										
C-100	Min. 2,500 psi structural concrete	ASTM D41	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-202.5					
C-101	Min. 2,500 psi structural concrete	ASTM D41	BASEGARD SA	(Optional) SBS-TA	SBS-TA	-232.5					



		TABLE 4A:	LIGHTWEIGHT CONCRETE D	ECKS – NE	W CONSTRUCTION OR REROOF	(TEAR-OFF)	_			
					TION, BONDED ROOF COVER					
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Laye	1	Coverboard			of Cover (Notes 15 &	1	MDP (psf)
	<u> </u>	NE MULTI-PURPOSE MB COLD ADHESIVE:	Туре	Attach	Туре	Attach	Base	Ply	Сар	(þsi)
COLD-APP	LIED BASE; FIRESTO	Minimum 200 psi, minimum 2-inch thick			1		T			
LWC-1	Min. 2,500 psi structural concrete	Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-76.5
LWC-2	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BP-CA, SBS- CA or APP- CA	None	APP-CA	-67.5
LWC-3	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	SBS-CA	(Optional) SBS- CA	SBS-CA	-82.5
LWC-4	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BP-CA, SBS- CA or APP- CA	None	APP-CA	-52.5
LWC-5	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	SBS-CA	(Optional) SBS- CA	SBS-CA	-52.5
LWC-6	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Twin Pack	BP-CA, SBS- CA or APP- CA	None	APP-CA	-67.5
LWC-7	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Twin Pack	SBS-CA	(Optional) SBS- CA	SBS-CA	-67.5
LWC-8	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	BP-CA, SBS- CA or APP- CA	None	APP-CA	-67.5
LWC-9	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	SBS-CA	(Optional) SBS- CA	SBS-CA	-67.5



		TABLE 4A:	LIGHTWEIGHT CONCRETE D	ECKS – NE	W CONSTRUCTION OR REROOF	(TEAR-OFF)				
			SYSTEM TYPE A-1: BONDE	ED INSULA	TION, BONDED ROOF COVER					
System	Deck	Lightweight Concrete (Note 14)	Base Insulation Laye	er	Coverboard		Roo	f Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
LWC-10	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BP-CA, SBS- CA or APP- CA	None	APP-CA	-37.5
LWC-11	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-CA	(Optional) SBS- CA	SBS-CA	-37.5
LWC-12	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-76.5
LWC-13	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0
LWC-14	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell or Min. 200 psi Celcore	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers base insulation	I.S.O. Stick	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-15	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell or Min. 200 psi Celcore	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers base insulation	I.S.O. Stick	APP-CA	None	APP-CA	-67.5
LWC-16	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell or Min. 200 psi Celcore	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers base insulation	I.S.O. Stick	SBS-CA	None	SBS-CA	-82.5
LWC-17	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	BP-CA, SBS- CA or APP- CA	None	APP-CA	-67.5
LWC-18	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	SBS-CA	(Optional) SBS- CA	SBS-CA	-82.5



		TABLE 4A:	LIGHTWEIGHT CONCRETE D	ECKS – NE	W CONSTRUCTION OR REROOF	(TEAR-OFF)				
			SYSTEM TYPE A-1: BONDE	D INSULA	TION, BONDED ROOF COVER					
System	Deck	Lightweight Concrete (Note 14)	Base Insulation Laye	r	Coverboard	_	Roo	f Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
LWC-19	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	BP-CA, SBS- CA or APP- CA	None	APP-CA	-52.5
LWC-20	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	SBS-CA	(Optional) SBS- CA	SBS-CA	-52.5
LWC-21	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Stick	BP-CA, SBS- CA or APP- CA	None	APP-CA	-67.5
LWC-22	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Stick	SBS-CA	(Optional) SBS- CA	SBS-CA	-67.5
LWC-23	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	BP-CA, SBS- CA or APP- CA	None	APP-CA	-67.5
LWC-24	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	SBS-CA	(Optional) SBS- CA	SBS-CA	-67.5
LWC-25	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	BP-CA, SBS- CA or APP- CA	None	APP-CA	-37.5
LWC-26	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-CA	(Optional) SBS- CA	SBS-CA	-37.5



		TABLE 4A:			EW CONSTRUCTION OR REROOF	(TEAR-OFF)				
System	Deck		Base Insulation Laye		Coverboard		Roc	of Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Cap	(psf)
LWC-27	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-76.5
LWC-28	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0
LWC-29	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5
LWC-30	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-31	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	APP-CA	None	APP-CA	-67.5
LWC-32	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	SBS-CA	None	SBS-CA	-82.5
LWC-33	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-76.5
LWC-34	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0
LWC-35	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	SBS-CA	(Optional) SBS- CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5



		TABLE 4A:			W CONSTRUCTION OR REROOF	F (TEAR-OFF)				
System	Deck		Base Insulation Laye	er	Coverboard		Ro	of Cover (Notes 15 &	k 16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
COLD-APPL	IED BASE; FIRESTO	NE LIQUIGARD MEMBRANE ADHESIVE:								
LWC-36	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-217.5
LWC-37	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Twin Pack	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-217.5
LWC-38	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-217.5
LWC-39	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-217.5
LWC-40	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-187.5
LWC-41	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-187.5
LWC-42	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Stick	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-187.5
LWC-43	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-187.5
LWC-44	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	BP-CA2, SBS-CA2	(Optional) BP- CA2, SBS-CA2	SBS-CA2	-187.5



		TABLE 4A:	LIGHTWEIGHT CONCRETE D	DECKS – NE	W CONSTRUCTION OR REROOM	F (TEAR-OFF)				
			SYSTEM TYPE A-1: BONDE	ED INSULA	TION, BONDED ROOF COVER	•				
System	Deck	Lightweight Concrete (Note 14)	Base Insulation Laye	er	Coverboard		Roo	f Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
ASPHALT A	ND/OR TORCH APP	LIED BASE:								
LWC-45	Min. 2,500 psi structural concrete  Min. 2,500 psi structural concrete  Min. 300 psi Celcore MF Cellular Concrete  Min. 300 psi Celcore MF Cellular Concrete		Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	I.S.O. FIX II	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-76.5
LWC-46	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-TA	None	SBS-TA	-127.5
LWC-47	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BP-AA, SBS- AA	(Optional) BP- AA, SBS-AA	SBS-AA	-157.5
LWC-48	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	APP-TA	None	APP-TA	-217.5
LWC-49	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	I.S.O. Twin Pack	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-76.5
LWC-50	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	I.S.O. Twin Pack	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
LWC-51	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.5-inch FiberTop	Hot Asphalt	BP-AA	(Optional) BP-AA	APP-TA	-97.5



		TABLE 4A:			EW CONSTRUCTION OR REROOM	F (TEAR-OFF)				
System	Deck		Base Insulation Laye	er	Coverboard		Roc	of Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
LWC-52	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-TA	None	SBS-TA	-127.5
LWC-53	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	BP-AA, SBS- AA	(Optional) BP- AA, SBS-AA	SBS-AA	-157.5
LWC-54	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	APP-TA	None	АРР-ТА	-187.5
LWC-55	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	I.S.O. Stick	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-76.5
LWC-56	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	I.S.O. Stick	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
LWC-57	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	I.S.O. Stick	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-144.5
LWC-58	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Min. 0.5-inch FiberTop	Hot Asphalt	BP-AA	(Optional) BP-AA	APP-TA	-97.5
LWC-59	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-76.5



		TARIF 4A:	LIGHTWEIGHT CONCRETE D	FCKS – NE	W CONSTRUCTION OR REROOF	(TEAR-OFF)				
		TOPE TO			TION, BONDED ROOF COVER	(ILAN OII)				
System	Deck	Lightweight Concrete (Note 14)	Base Insulation Laye	r	Coverboard		Roo	of Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
LWC-60	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
LWC-61	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	BP-AA, SBS- AA, SBS-TA, APP-TA	(Optional) BP- AA, SBS-AA, SBS- TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-144.5
SELF-ADHE	RING BASE:									
LWC-62	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-177.5
LWC-63	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5
LWC-64	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
LWC-65	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	SBS-SA	(Optional) APP- TA	APP-TA	-112.5
LWC-66	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS- TA	SBS-TA	-210.0
LWC-67	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-217.5
LWC-68	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-187.5



		TABLE 4A:			EW CONSTRUCTION OR REROOF	(TEAR-OFF)				
_					ATION, BONDED ROOF COVER			10	4.63	
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Laye	r Attach	Coverboard	Attach	Base	of Cover (Notes 15 &	T .	MDP (psf)
LWC-69	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Type  Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) APP- TA	Cap APP-TA	-187.5
LWC-70	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	SBS-SA	(Optional) SBS- TA	SBS-TA	-202.5
LWC-71	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-187.5
LWC-72	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Twin Pack	SBS-SA	(Optional) SBS- TA	SBS-TA	-217.5
LWC-73	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Twin Pack	SBS-SA	(Optional) APP- TA	APP-TA	-217.5
LWC-74	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-187.5
LWC-75	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	SBS-SA	(Optional) SBS- TA	SBS-TA	-217.5
LWC-76	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	SBS-SA	(Optional) APP- TA	APP-TA	-217.5
LWC-77	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BASEGARD SA	(Optional) APP- TA	APP-TA	-45.0



		TABLE 4A:			W CONSTRUCTION OR REROOF	(Tear-Off)				
System	Deck		Base Insulation Laye	er	Coverboard		Roc	of Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
LWC-78	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-SA	(Optional) SBS- TA	SBS-TA	-82.5
LWC-79	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-187.5
LWC-80	Min. 2,500 psi structural concrete  Min. 2,500 psi or ANSI/SPRI FX-1.  Minimum 200 psi, minimum 2-inch thicle Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subje fastener shall achieve an average withdrawal of 40 lbf when tested per TA 105 or ANSI/SPRI FX-1.		Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5
LWC-81	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
LWC-82	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	None	N/A	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-82.5
LWC-83	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-172.5
LWC-84	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	None	N/A	BASEGARD SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-177.5
LWC-85	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers base insulation	I.S.O. Stick	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0



		TABLE 4A:			EW CONSTRUCTION OR REROOF TION, BONDED ROOF COVER	(TEAR-OFF)				
System	Deck	Links with Consult (Note 44)	Base Insulation Laye	r	Coverboard		Roc	of Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
LWC-86	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	SBS-SA	(Optional) APP- TA	APP-TA	-112.5
LWC-87	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	SBS-SA	(Optional) SBS- TA	SBS-TA	-187.5
LWC-88	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-187.5
LWC-89	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick	SBS-SA	(Optional) APP- TA	АРР-ТА	-187.5
LWC-90	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Stick	SBS-SA	(Optional) APP- TA	APP-TA	-187.5
LWC-91	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Stick	SBS-SA	(Optional) SBS- TA	SBS-TA	-187.5
LWC-92	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite, GenFlex HD Composite ISO	I.S.O. Stick	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-187.5
LWC-93	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	SBS-SA	(Optional) APP- TA	АРР-ТА	-187.5
LWC-94	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	SBS-SA	(Optional) SBS- TA	SBS-TA	-187.5



		TABLE 4A:			W CONSTRUCTION OR REROOF TION, BONDED ROOF COVER	(TEAR-OFF)				
System	Deck	Lightunisht Consusts (Note 14)	Base Insulation Laye	r	Coverboard		Roo	of Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
LWC-95	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-187.5
LWC-96	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	BASEGARD SA	(Optional) APP- TA	АРР-ТА	-45.0
LWC-97	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-SA	(Optional) SBS- TA	SBS-TA	-82.5
LWC-98	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Stick	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-187.5
LWC-99	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5
LWC-100	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
LWC-101	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board or min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-144.5
LWC-102	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0

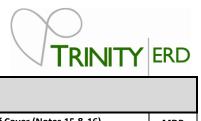


		TABLE 4A:			W CONSTRUCTION OR REROOF	(TEAR-OFF)				
System	Deck		Base Insulation Laye		Coverboard		Roo	of Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
LWC-103	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-180.0
LWC-104	Min. 2,500 psi structural concrete	Min. 200 psi Celcore	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-210.0
LWC-105	Min. 2,500 psi structural concrete	Min. 200 psi Celcore	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-222.5
LWC-106	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-210.0
LWC-107	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS- AA	SBS-AA	-240.0
LWC-108	Min. 2,500 psi structural concrete	Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5
LWC-109	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
LWC-110	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-144.5



#### TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET. BONDED INSULATION. BONDED ROOF COVER **Anchor Sheet** Roof Cover (Notes 15 & 16) Insulation System Deck Lightweight Concrete (Note MDP No. (Note 1) 14) (psf) **Fasteners** Attach Base Attach Base Ply Cap Type Top Minimum 200 psi, minimum Min. 1-inch (Optional) Optional 2-inch thick Approved Min. 1.8-inch 7-inch o.c. at the ISO 95+ GL, additional lavers I.S.O. FIX MB Base, Min. 22 ga., cellular LWIC. Note: To Firestone 4-inch side lap and GenFlex Venting Base base insulation, flat II. I.S.O. type BV steel qualify the LWIC under this Two Piece 7-inch o.c. at two, ISO BP-CA, Sheet, SBS Base, or tapered: Min. Stick. SBS-CA. LWC-111 or min. 2,500 assembly, the subject Impact Nail equally spaced, Insulation, SBS-CA, -45.0\* None SBS PolyBase. 0.5-inch ISOGARD I.S.O. APP-CA psi structural fastener shall achieve an or Firestone staggered rows in RESISTA, APP-CA SBS Smooth, SBS HD, GenFlex HD ISO Twin average withdrawal of 52 LWC Base the center of the concrete GenFlex Premium Base or Min. 0.25-inch Pack *lbf when tested per TAS 105* Ply Fasteners sheet Coated Dens Deck Prime or ANSI/SPRI FX-1. Glass Facer Minimum 200 psi, minimum Min. 1-inch 2-inch thick Approved 7-inch o.c. at the ISO 95+ GL, Min. 1.8-inch cellular LWIC. Note: To MB Base. (Optional) Optional I.S.O. FIX Min. 22 ga., Firestone 4-inch side lap and GenFlex qualify the LWIC under this **Venting Base** additional layers II. I.S.O. SBStype BV steel Two Piece 7-inch o.c. at two. ISO Sheet, SBS Base, Stick, assembly, the subject base insulation, flat AA, LWC-112 at 5 ft spans Impact Nail equally spaced, Insulation, SBS-SA -45.0\* None fastener shall achieve an SBS PolyBase, or tapered; Min. I.S.O. SBS-TA. or structural or Firestone staggered rows in RESISTA, average withdrawal of 52 SBS Smooth, SBS 0.25-inch Dens Twin APP-TA LWC Base concrete the center of the GenFlex Ibf when tested per Testing Premium Base Deck Prime Pack Ply Fasteners sheet Coated **Application Standard TAS** Glass Facer 105. Minimum 200 psi, minimum MB Base. 2-inch thick Approved 9-inch o.c. at the **Channel Venting** Min. 1.5-Min. 0.5-inch Fiber Min. 22 ga., cellular LWIC. Note: To Firestone 3-inch side lap and (Optional) inch ISO Base, Venting Top or min. 0.25-9-inch o.c. at two, type BV steel qualify the LWIC under this **LWC** Base One or more SBS-AA 95+ GL, inch Dens Deck or BP-AA or Base Sheet, SBS Hot LWC-113 or min. 2.500 assembly, the subject Plv Fasteners equally spaced. BP-AA. SBSor APP--45.0 Base, SBS Base-P, GenFlex SECUROCK asphalt SBS-AA AA or APPpsi structural fastener shall achieve an or Trufast staggered rows in TA SBS PolyBase, ISO Gypsum-Fiber Roof concrete average withdrawal of 68 FM-90 the center of the TA SBS Smooth, SBS Insulation Board lbf when tested per TAS 105 sheet Premium Base or ANSI/SPRI FX-1. Minimum 200 psi, minimum MB Base, 2-inch thick Approved 12-inch o.c. at the **Channel Venting** Min. 1.5-Min. 0.5-inch Fiber Min. 22 ga., cellular LWIC. Note: To Firestone 3-inch side lap and (Optional) inch ISO Top or min. 0.25-Base, Venting SBS-AA type BV steel qualify the LWIC under this **LWC** Base 12-inch o.c. at One or more BP-AA or Base Sheet, SBS 95+ GL. inch Dens Deck or Hot LWC-114 or min. 2,500 assembly, the subject Ply Fasteners three, equally BP-AA, SBSor APP--45.0 Base, SBS Base-P, GenFlex SECUROCK SBS-AA asphalt psi structural fastener shall achieve an or Trufast spaced, staggered AA or APP-TΑ SBS PolyBase, ISO Gypsum-Fiber Roof average withdrawal of 68 concrete FM-90 rows in the center TΑ SBS Smooth, SBS Insulation Board Ibf when tested per TAS 105 of the sheet Premium Base

or ANSI/SPRI FX-1.



			VEIGHT CONCRETE DECKS – NEW E: MECHANICALLY ATTACHED BA		•			
System	5 1 (5)			Base Sheet		Roof Cover (No	tes 15 & 16)	MDP
No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Туре	Fasteners	Attach	Ply	Сар	(psf)
COLD-APPL	IED BASE; FIRESTONE MUL	TI-PURPOSE MB COLD ADHESIVE:						
LWC-115	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Range II Elastizell Lightweight Insulating Concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone Two Piece Impact Nails	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	SBS-CA or APP- CA	SBS-CA or APP-CA	-45.0
LWC-116	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete cellular lightweight insulating concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone Two Piece Impact Nails	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	SBS-CA or APP- CA	SBS-CA or APP-CA	-45.0
LWC-117	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone Two Piece Impact Nails	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	SBS-CA or APP- CA	SBS-CA or APP-CA	-45.0
LWC-118	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Existing, min. 200 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. 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.	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone Two Piece Impact Nails	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	SBS-CA or APP- CA	SBS-CA or APP-CA	-45.0
COLD-APPL	IED BASE; FIRESTONE LIQU	IGARD MEMBRANE ADHESIVE:						
LWC-119	Min. 22 ga., type BV steel at max 6 ft spans or min. 2,500 psi structural concrete	Min. 460 psi, min. 2-inch thick Mearlcrete cellular lightweight insulating concrete	SBS Poly Torch Base	Trufast FM-290V	7-inch o.c. in the 4-inch wide laps	(Optional) SBS- CA2	SBS-CA2	-45.0
LWC-120	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Min. 342 psi, min. 2-inch thick Approved cellular lightweight insulating concrete.  Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 71 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	MB Base, Channel Venting Base, SBS Base, SBS PolyBase, SBS Premium Base	Firestone 1.7" LWC Base Ply Fasteners	7-inch o.c. at the 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) SBS- CA2	SBS-CA2	-60.0
ASPHALT A	ND/OR TORCH APPLIED BA	SE:						



#### TABLE 4C-1: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER **Base Sheet** Roof Cover (Notes 15 & 16) System MDP Deck (Note 1) Lightweight Concrete (Note 14) No. (psf) Type **Fasteners** Attach Ply Cap Min. 200 psi, min. 2-inch thick Approved Min. 22 ga., type BV cellular lightweight insulating concrete. MB Base, Channel Venting Base, 9-inch o.c. at the 2-inch side lap (Optional) One steel at max 5 ft Firestone LWC Base SBS-AA. Note: To qualify the LWIC under this and 9-inch o.c. at two, equally or more BP-AA, Venting Base Sheet, SBS Base, SBS-TA or LWC-121 spans or min. 2.500 Ply Fasteners or -45.0 assembly, the subject fastener shall achieve SBS Base-P, SBS PolyBase, SBS spaced, staggered rows in the SBS-AA, SBS-TA APP-TA psi structural Trufast FM-90 an average withdrawal of 70 lbf when tested Smooth, SBS Premium Base center of the sheet or APP-TA concrete per TAS 105 or ANSI/SPRI FX-1. Min. 200 psi, min. 2-inch thick Approved Min. 22 ga., type BV cellular lightweight insulating concrete. MB Base, Channel Venting Base, 12-inch o.c. at the 2-inch side (Optional) One steel at max 5 ft Firestone LWC Base SBS-AA, Note: To qualify the LWIC under this Venting Base Sheet, SBS Base, lap and 12-inch o.c. at three, or more BP-AA, LWC-122 spans or min. 2,500 Ply Fasteners or SBS-TA or -45.0 assembly, the subject fastener shall achieve SBS Base-P, SBS PolyBase, SBS equally spaced, staggered rows SBS-AA, SBS-TA psi structural Trufast FM-90 APP-TA an average withdrawal of 70 lbf when tested Smooth, SBS Premium Base in the center of the sheet or APP-TA concrete per TAS 105 or ANSI/SPRI FX-1. Min. 200 psi, min. 2-inch thick Approved Min. 22 ga., type BV cellular lightweight insulating concrete. MB Base, Channel Venting Base, 9-inch o.c. in the 2-inch side lap steel at max 5 ft Min. 1.8-inch Note: To qualify the LWIC under this Venting Base Sheet, SBS Base, and 9-inch o.c. in two, equally BP-AA, SBS-AA SBS-AA or LWC-123 spans or min. 2,500 Firestone Two Piece -45.0 assembly, the subject fastener shall achieve SBS Base-P, SBS PolyBase, SBS spaced, staggered rows in the or SBS-CA SBS-CA psi structural Impact Nail an average withdrawal of 70 lbf when tested Smooth, SBS Premium Base center of the sheet concrete per TAS 105 or ANSI/SPRI FX-1. Min. 22 ga., type BV steel at max 6 ft Min. 460 psi, min. 2-inch thick Mearlcrete 7-inch o.c. in the 4-inch wide (Optional) SBS-LWC-124 spans or min. 2,500 SBS Poly Torch Base SBS-TA -45.0 Trufast FM-290V cellular lightweight insulating concrete laps TA psi structural concrete Min. 22 ga., type BV MB Base, Channel Venting Base, 7-inch o.c. at the 4-inch side lap steel at max 5 ft Min. 200 psi, min. 2-inch thick Range II Venting Base Sheet, SBS Base, Firestone Two Piece and 7-inch o.c. at two, equally SBS-TA or APP-SBS-TA or LWC-125 spans or min. 2,500 -45.0 APP-TA Elastizell Lightweight Insulating Concrete SBS Base-P, SBS PolyBase, SBS **Impact Nails** spaced, staggered rows in the TA psi structural Smooth, SBS Premium Base center of the sheet concrete Min. 22 ga., type BV 7-inch o.c. at the 4-inch side lap MB Base, Channel Venting Base, steel at max 5 ft Min. 300 psi, min. 2-inch thick Mearlcrete Venting Base Sheet, SBS Base, Firestone Two Piece and 7-inch o.c. at two, equally SBS-TA or APP-SBS-TA or LWC-126 spans or min. 2.500 -45.0 cellular lightweight insulating concrete SBS Base-P, SBS PolyBase, SBS Impact Nails spaced, staggered rows in the TA APP-TA psi structural Smooth, SBS Premium Base center of the sheet concrete Min. 22 ga., type BV MB Base, Channel Venting Base, 7-inch o.c. at the 4-inch side lap

Min. 200 psi. min. 2-inch thick Celcore

Cellular Concrete

steel at max 5 ft

psi structural

concrete

spans or min. 2,500

LWC-127

Firestone Two Piece

**Impact Nails** 

and 7-inch o.c. at two. equally

spaced, staggered rows in the

center of the sheet

Venting Base Sheet, SBS Base,

SBS Base-P, SBS PolyBase, SBS

Smooth, SBS Premium Base

SBS-TA or

APP-TA

-45.0

SBS-TA or APP-

TA



# TABLE 4C-1: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System	Dools (Note 1)	Light weight Company (Night 14)		Base Sheet		Roof Cover (No	tes 15 & 16)	MDP
No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Туре	Fasteners	Attach	Ply	Сар	(psf)
LWC-128	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Existing, min. 200 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. 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.	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone Two Piece Impact Nails	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	SBS-TA or APP- TA	SBS-TA or APP-TA	-45.0
LWC-129	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete cellular lightweight insulating concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone LWC Base Ply Fasteners, Trufast FM-90 or OMG CR Base Felt Fasteners	7-inch o.c. at the 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
LWC-130	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete cellular lightweight insulating concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone LWC Base Ply Fasteners, Trufast-90	9-inch o.c. at the 4-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	BP-AA or SBS- AA	SBS-AA	-52.5
LWC-131	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Approved cellular lightweight insulating concrete.  Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 88 lbf when tested per TAS 105 or ANSI/SPRI FX-1.	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Firestone Two Piece Impact Nail	9-inch o.c. at the 4-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
LWC-132	Min. 22 ga., type BV steel at max 6 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	SBS PolyTorch Base	Min. 1.8-inch Firestone Two Piece Impact Nails through Trufast Products Straight Line Batten Bars	Fasteners 6-inch o.c. through batten bars within 3-inch wide, torched side laps.	(Optional) SBS- AA or SBS-TA	SBS-AA or SBS-TA (ASTM D6164 only)	-60.0
LWC-133	Min. 22 ga., type BV steel at max 6 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Elastizell cellular lightweight insulating concrete	Firestone Venting Base, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Firestone Two Piece Impact Nail	6-inch o.c. at the 4-inch side lap and 6-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-AA or SBS- TA (ASTM D6164 only)	SBS-AA or SBS-TA (ASTM D6164 only)	-60.0
LWC-134	Min. 22 ga., type BV steel at max 5 ft spans or min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, SBS Base, SBS-Base P, SBS PolyTorch, SBS PolyBase, SBS Premium Base, SBS Smooth, SBS Torch Base, APP 160, APP 160-P, APP 80 Glass Base, APP 80 Glass Base-P, APP Premium Base	Firestone LWC Base Ply Fasteners, Trufast FM-90 or Trufast FM-290	9-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0



#### TABLE 4C-1: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER **Base Sheet** Roof Cover (Notes 15 & 16) System MDP Deck (Note 1) Lightweight Concrete (Note 14) No. (psf) Type **Fasteners** Attach Ply Cap Existing, min. 350 psi, min. 2-inch thick Min. 22 ga., type BV Approved cellular lightweight insulating MB Base, Channel Venting Base, 9-inch o.c. at the 4-inch side lap steel at max 5 ft Firestone LWC Base concrete. Note: To qualify the LWIC under SBS Base, SBS Base P, SBS and 12-inch o.c. at two, equally One or more Ply Fasteners (1.7-LWC-135 spans or min. 2.500 SBS-TA -60.0 this assembly, the subject fastener shall Premium Base, SBS Smooth, SBS spaced, staggered rows in the SBS-TA psi structural inch) achieve an average withdrawal of 106 lbf center of the sheet PolyBase concrete when tested per TAS 105 or ANSI/SPRI FX-1. MB Base, Channel Venting Base, Min. 22 ga., type BV SBS Base, SBS-Base P, SBS 7-inch o.c. at the min. 3-inch (Optional) One Firestone LWC Base steel at max 6 ft Min. 300 psi, min. 2-inch thick Celcore MF PolyTorch, SBS PolyBase, SBS SBS-AA, Ply Fasteners, side lap and 7-inch o.c. at two, or more BP-AA, Premium Base, SBS Smooth, SBS SBS-TA or LWC-136 spans or min. 2.500 Cellular Concrete with Celcore HS Rheology -60.0 Trufast FM-90 or equally spaced, staggered rows SBS-AA, SBS-TA psi structural Modifying Admixture Torch Base, APP 160, APP 160-P, APP-TA Trufast FM-290 in the center of the sheet or APP-TA APP 80 Glass Base, APP 80 Glass concrete Base-P. APP Premium Base Min. 342 psi, min. 2-inch thick Approved Min. 22 ga., type BV cellular lightweight insulating concrete. 7-inch o.c. at the 3-inch side lap steel at max 5 ft MB Base, Channel Venting Base, (Optional) One Note: To qualify the LWIC under this Firestone 1.7" LWC and 7-inch o.c. at two, equally SBS-AA, spans or min. 2.500 Venting Base Sheet, SBS Base, or more BP-AA, LWC-137 -60.0 assembly, the subject fastener shall achieve **Base Ply Fasteners** spaced, staggered rows in the SBS-TA psi structural SBS PolyBase, SBS Premium Base SBS-AA, SBS-TA an average withdrawal of 71 lbf when tested center of the sheet concrete per TAS 105 or ANSI/SPRI FX-1. Min. 22 ga., type BV SBS-AA or 6-inch o.c. at the 4-inch side lap SBS-AA or SBS-SBS-TA steel at max 6 ft Firestone Venting Base, SBS Base, Min. 1.8-inch Min. 300 psi, min. 2-inch thick Concrecel and 6-inch o.c. at two, equally LWC-138 spans or min. 2,500 SBS Base-P, SBS PolyBase, SBS Firestone Two Piece TA (ASTM (ASTM -67.5 cellular lightweight insulating concrete spaced, staggered rows in the Smooth, SBS Premium Base D6164 psi structural Impact Nail D6164 only) center of the sheet concrete only) Min. 300 psi, min. 2-inch thick Approved Min. 22 ga., type BV cellular lightweight insulating concrete. MB Base, Channel Venting Base, 7.5-inch o.c. at the 3-inch side (Optional) One Firestone LWC Base SBS-AA. steel at max 5 ft Note: To qualify the LWIC under this Venting Base Sheet, SBS Base, lap and 7.5-inch o.c. at two, or more BP-AA, SBS-TA or LWC-139 spans or min. 2.500 Ply Fasteners or -75.0 assembly, the subject fastener shall achieve SBS Base-P, SBS PolyBase, SBS equally spaced, staggered rows SBS-AA, SBS-TA APP-TA psi structural Trufast FM-90 an average withdrawal of 95 lbf when tested Smooth, SBS Premium Base in the center of the sheet or APP-TA concrete per TAS 105 or ANSI/SPRI FX-1. Concrecel Bonding Agent is applied to the Min. 22 ga., type BV MB Base, Channel Venting Base, deck at a rate of 600 ft<sup>2</sup>/gal. Min. 300 psi, 7-inch o.c. at the 3-inch side lap (Optional) One steel at max 5 ft Venting Base Sheet, SBS Base, SBS-AA. min. 2.25-inch thick Concrecel cellular OMG CR Base Plv or more BP-AA. and 7-inch o.c. at two, equally LWC-140 spans or min. 2,500 SBS Base-P, SBS PolyBase, SBS SBS-TA or -82.5 lightweight insulating concrete followed by spaced, staggered rows in the SBS-AA, SBS-TA Fasteners APP-TA psi structural Smooth, SBS Premium Base, APP Concrecel Curing Compound at a rate of 600 center of the sheet or APP-TA

ft2/gal

concrete

160, APP 160-P



# TABLE 4C-2: LIGHTWEIGHT CONCRETE DECKS (OVER THERMAL BARRIER / VAPOR BARRIER) – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck	Thermal	Barrier	Temp Roof	Lightweight Concrete		Base Sheet			' (Notes 15 & 16)	MDP
No.	(Note 1)	Туре	Attach (Note 21)	Temp Rooi	(Note 14)	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)
LWC-141	Min. 22 ga., type B steel at max 6 ft spans	Min. 5/8- inch SECUROCK Gypsum- Fiber Roof Board	Fasteners per Note 2 at 1 per 1.6 ft <sup>2</sup>	MB Base, SBS Base, SBS Smooth or SBS Premium Base in hot asphalt or SBS Smooth Torch or APP 160, torch-applied	Min. 300 psi, min. 2- inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	SBS PolyTorch Base	Min. 1.8-inch Firestone Two Piece Impact Nails through Trufast Products Straight Line Batten Bars	Fasteners 6-inch o.c. through batten bars within 3-inch wide, torched side laps.	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA (ASTM D6164 only)	-60.0
LWC-142	Min. 22 ga., type B steel at max 6 ft spans	Min. 5/8- inch SECUROCK Gypsum- Fiber Roof Board	Fasteners per Note 2 at 1 per 1.6 ft <sup>2</sup>	MB Base, SBS Base, SBS Smooth or SBS Premium Base in hot asphalt or SBS Smooth Torch or APP 160, torch-applied	Min. 300 psi, min. 2- inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, SBS Base, SBS-Base P, SBS PolyTorch, SBS PolyBase, SBS Premium Base, SBS Smooth, SBS Torch Base	Firestone LWC Base Ply Fasteners, Trufast FM-90 or Trufast FM- 290	7-inch o.c. at the min. 3-inch side lap and 7- inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-60.0
LWC-143	Min. 22 ga., type B steel at max 6 ft spans	Min. 5/8- inch SECUROCK Gypsum- Fiber Roof Board	Fasteners per Note 2 at 1 per 1.6 ft <sup>2</sup>	MB Base, SBS Base, SBS Smooth or SBS Premium Base in hot asphalt or SBS Smooth Torch or APP 160, torch-applied	Min. 300 psi, min. 2- inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, APP 160, APP 160-P, APP 80 Glass Base, APP 80 Glass Base-P, APP Premium Base	Firestone LWC Base Ply Fasteners, Trufast FM-90 or Trufast FM- 290	7-inch o.c. at the min. 3-inch side lap and 7- inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) APP-TA	АРР-ТА	-60.0

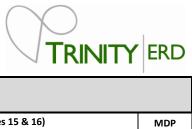


TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER										
System						Roof Cover (Notes 15 & 16)				
No.	(Note 1)	Type Attach		Туре	Attach	Base	Ply	Сар	(psf)	
CWF-1	Tectum	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO or min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) Min. 0.5-inch ISOGARD HD, GenFlex HD ISO or min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*	

		,		TITIOUS WOOD FIBER DEC		•	•				
System	Deck	А	nchor Sheet (Note A be	low)		Insulation		Roof	f Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Туре	Fasteners	Attach	Base	Тор	Attach	Base	Ply	Сар	(psf)
CWF-2	Tectum	MB Base, Channel Venting Base	Firestone Polymer Fastener and Polymer Fastener Insulation Plates	12-inch o.c. at the 4-inch laps and 18-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch FiberTop	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
CWF-3	Tectum	MB Base, Channel Venting Base, SBS Base, SBS Base-P, SBS Premium Base, SBS PolyBase, SBS Smooth	Min. 1.8-inch Firestone Two Piece Impact Nail	9-inch o.c. at the 2-inch laps and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch FiberTop	I.S.O. Stick	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
CWF-4	Tectum	MB Base, Channel Venting Base, SBS Base, SBS Base-P, SBS Premium Base, SBS PolyBase, SBS Smooth	Min. 1.8-inch Firestone Two Piece Impact Nail	9-inch o.c. at the 2-inch laps and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BP-AA, SBS- AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
CWF-5	Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Firestone Two Piece Impact Nail	12-inch o.c. at the 2-inch laps and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO or min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	(Optional) Min. 0.5- inch ISOGARD HD, GenFlex HD ISO or min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II, I.S.O. Stick or I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

Note A: Anchor sheet may be covered with optional temporary roof consisting of one or two plies BP-AA or SBS-AA, or one Base Ply of BP-AA or SBS-AA followed by one Cap Ply of SBS-AA, SBS-TA or APP-TA.



	TABLE 5C: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  SYSTEM TYPE B: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER											
System	Deck		Base Insulation Layer		Top Insulation Layer Roof Cover (Notes 15 & 16)							
No.	(Note 1)	Туре	<u> </u>		Туре	Type Attach		Ply	Сар	(psf)		
CWF-6	Tectum	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Firestone Polymer Fastener and Polymer Fastener Insulation Plates	1 per 2 ft <sup>2</sup>	Min. 0.5-inch Fiber Top	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*		

	TABLE 5D: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER											
Cuetom	Deck			Top Insulation Layer			Roof Cover (Notes 15 &	16)	MDP			
System No.	(Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base	Ply	Сар	(psf)			
CWF-7	Tectum	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch FiberTop	Firestone Polymer Fastener and Polymer Fastener Insulation Plates	1 per 2 ft²	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*			
CWF-8	Tectum	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO or min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	Firestone Polymer Fastener and Polymer Fastener Insulation Plates	1 per 2.1 ft <sup>2</sup>	BASEGARD SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*			

TABLE 5E: CEMENTITIOUS WOOD FIBER DECKS — NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER											
System	Deck	eck Insulation Layer(s) Base Sheet						Roof Cover (Notes 15 & 16)			
No.	(Note 1)	Туре	Attach	Туре	Fasteners	Attach	Ply	Сар	(psf)		
CWF-9	Tectum	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Firestone Polymer Fastener and Polymer Fastener Insulation Plates	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*		



				W CONSTRUCTION, REROOF (TEAR-OFF) OR RE LY ATTACHED BASE SHEET, BONDED ROOF C			
System	Deck		Base Sheet		Roof Cover (Not	es 15 & 16)	MDP
No.	(Note 1)	Туре	Fasteners	Attach	Ply	Сар	(psf)
CWF-10	Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Firestone Two Piece Impact Nail	9-inch o.c. in the 2-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	SBS-CA	SBS-CA	-45.0*
CWF-11	Tectum	MB Base, Channel Venting Base	Firestone Polymer Fastener and Polymer Fastener Insulation Plates	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
CWF-12	Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Firestone Two Piece Impact Nail	9-inch o.c. in the 2-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	BP-AA, SBS-AA	SBS-AA	-45.0*
CWF-13	Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Firestone Two Piece Impact Nail	9-inch o.c. in the 3-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-67.5



				ABLE 6A: GYPSUM DECKS – REROOF (	•	ER			
System	David (Nation 4 0 42)	Base Insulation I	.ayer	Top Insulation Layer			Roof Cover (Notes 15 &	16)	MDP
No.	Deck (Note 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
COLD-APPLIE	D BASE; FIRESTONE MULTI-PURF	POSE MB COLD ADHESIVE:							
G-1	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick; I.S.O. Twin Pack; CR-20	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Twin Pack; CR-20	BP-CA	(Optional) BP-CA, SBS- CA	SBS-CA or APP-CA	-67.5
G-2	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick; I.S.O. Twin Pack; CR-20	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Twin Pack; CR-20	APP-CA	None	APP-CA	-67.5
G-3	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick; I.S.O. Twin Pack; CR-20	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Twin Pack; CR-20	SBS-CA	None	SBS-CA	-82.5
ASPHALT AND	O/OR TORCH APPLIED BASE:								
G-4	Existing poured gypsum or gypsum plank primed with WeatherTite Universal Primer	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0
G-5	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-157.5
G-6	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-TA	None	SBS-TA	-127.5
G-7	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-135.0
G-8	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	CR-20	SBS-TA	None	SBS-TA	-127.5
G-9	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-225.0
G-10	Existing poured gypsum or gypsum plank	Min. 1.5-inch, min. 1.25 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-87.5
G-11	Existing poured gypsum or gypsum plank	Min. 1.5-inch, min. 1.5 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-180.0
G-12	Existing poured gypsum or gypsum plank	Min. 1.5-inch, min. 2.0 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-225.0



				ABLE 6A: GYPSUM DECKS – REROOF ( YPE A-1: BONDED INSULATION, BON	•	ER			
System	Deck (Note 1 & 12)	Base Insulation I	_ayer	Top Insulation Layer			Roof Cover (Notes 15 &	16)	MDP
No.	Deck (Note 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
SELF-ADHERI	NG BASE:								
G-13	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-14	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) One or more layers base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5
G-15	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	BASEGARD SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-16	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	(Optional) One or more layers base insulation	I.S.O. Stick	BASEGARD SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-135.0
G-17	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Tapered ISO 95+ GL, GenFlex ISO Insulation	CR-20	BASEGARD SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-18	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
G-19	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-247.5



#### TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET. BONDED INSULATION. BONDED ROOF COVER Insulation Roof Cover (Notes 15 & 16) **Anchor Sheet** System Deck MDP No. (Note 1) (psf) Fasteners (Note 11) Attach (Note 21) Base Top Attach Base Cap Type Ply 12-inch o.c. in the 4-Existing Firestone Polymer (Optional) inch side lap and 18-(Optional) One or MB Base, Channel Fastener and Min. 1.5-inch SBS-AA, poured inch o.c. in two, equally Hot BP-AA or more BP-AA, SBS-Venting Base Polymer Fastener ISO 95+ GL. SBS-TA or G-20 gypsum or Min. 0.5-inch FiberTop -45.0\* spaced, staggered rows asphalt SBS-AA AA, SBS-TA or APP-(Note A below) GenFlex ISO gypsum Insulation Plates APP-TA in the center of the TA $(W/D \ge 114 lbf)$ Insulation plank sheet MB Base, Channel Venting Base, SBS Existing 9-inch o.c. at the 2-inch Base, SBS Base-P. Min. 1.5-inch (Optional) One or poured Firestone Two laps and 18-inch o.c. in SBS-AA, SBS Premium ISO 95+ GL, I.S.O. BP-AA or more BP-AA, SBS-G-21 Piece Impact Nail two, equally spaced, Min. 0.5-inch FiberTop SBS-TA or -45.0\* gypsum or Base, SBS GenFlex ISO Stick SBS-AA AA, SBS-TA or APP-APP-TA (W/D > 105 lbf)staggered rows in the gypsum PolyBase, SBS Insulation TA center of the sheet plank Smooth (Note A below) MB Base, Channel Venting Base, SBS Existing 9-inch o.c. at the 2-inch Min. 0.25-inch Dens Base, SBS Base-P, Min. 1.5-inch (Optional) One or poured Firestone Two laps and 18-inch o.c. in Deck. Dens Deck Prime BP-AA, SBS-SBS-AA. **SBS Premium** ISO 95+ GL, I.S.O. more BP-AA, SBSor SECUROCK AA, SBS-TA G-22 gypsum or Piece Impact Nail two, equally spaced, SBS-TA or -45.0\* Base, SBS GenFlex ISO Stick AA, SBS-TA or APPstaggered rows in the Gypsum-Fiber Roof or APP-TA APP-TA $(W/D \ge 105 lbf)$ gypsum PolyBase, SBS Insulation TA center of the sheet Board plank Smooth (Note A below) Existing 9-inch o.c. in the 4-inch (Optional) Min. 0.25-inch Dens (Optional) One or Firestone Two side lap and 12-inch o.c. Min. 1.5-inch Deck or 0.25-inch SBS-AA. poured MB Base, Channel Hot BP-AA or more BP-AA, SBSgypsum or ISO 95+ GL. SECUROCK Gypsum SBS-TA or G-23 Piece Impact Nail in two, equally spaced, -67.5 Venting Base asphalt SBS-AA AA, SBS-TA or APPgypsum (W/D > 119 lbf)staggered rows in the Fiber Roof Board, min. APP-TA GenFlex ISO center of the sheet plank Insulation 0.5-inch FiberTop

Note A: Anchor sheet may be covered with optional temporary roof consisting of one or two plies BP-AA or SBS-AA, or one Base Ply of BP-AA or SBS-AA followed by one Cap Ply of SBS-AA, SBS-TA or APP-TA.



	TABLE 6C: GYPSUM DECKS – REROOF (TEAR-OFF)  SYSTEM TYPE B: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER												
Custom	Deck	В	ase Insulation Layer		Top Insulation Layer		Ro	of Cover (Notes 15 & 16)		MDP			
No.	, , , , , , , , , , , , , , , , , , , ,	Туре	Fasteners (Note 11)	Attach (Note 21)	Туре	Attach	Base	Ply	Сар	(psf)			
G-24	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Firestone Polymer Fastener and Polymer Fastener Insulation Plates (W/D ≥ 180 lbf)	1 per 2 ft <sup>2</sup>	Min. 0.25-inch Dens Deck or 0.25-inch SECUROCK Gypsum Fiber Roof Board, min. 0.5-inch FiberTop	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*			

TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF)  SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER										
Cuatana	Dock		Т	op Insulation Layer			Roof Cover (Notes 15 & 16		MDP	
No.	ystem Deck No. (Note 1)	Base Insulation Layer	Туре	Fasteners (Note 11)	Attach (Note 21)	Base	Ply	Сар	(psf)	
G-25	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch FiberTop	Firestone Polymer Fastener and Polymer Fastener Insulation Plates (W/D ≥ 180 Ibf)	1 per 2 ft²	BP-AA or SBS- AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*	

	TABLE 6E: GYPSUM DECKS – REROOF (TEAR-OFF)  SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER											
System	tem Deck Insulation Layer(s) Base Sheet						Roof Cover (Notes 15 & 16)					
No.	(Note 1)	Туре	Attach	Туре	Fasteners (Note 11)	Attach	Ply	Сар	(psf)			
G-26	Existing poured gypsum or gypsum plank	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Firestone Polymer Fastener and Polymer Fastener Insulation Plates (W/D ≥ 114 lbf)	12-inch o.c. in the 4-inch side lap and 18- inch o.c. in two staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*			

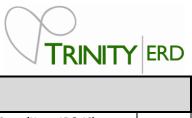


	TABLE 6F: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER											
System	Deck		Base Sheet		Roof Cover (Note	s 15 & 16)	MDP					
No.	(Note 1)	Туре	Fasteners (Note 11)	Attach	Ply	Сар	(psf)					
G-27	Existing poured gypsum or gypsum plank	MB Base, Channel Venting Base	Firestone Polymer Fastener and Polymer Fastener Insulation Plates (W/D ≥ 114 Ibf)	12-inch o.c. in the 4-inch side lap and 18- inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*					
G-28	Existing poured gypsum or gypsum plank	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone Two Piece Impact Nail (W/D > 105 lbf)	9-inch o.c. in the 2-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	BP-AA, SBS-AA or SBS- CA	SBS-AA or SBS- CA	-45.0*					
G-29	Existing poured gypsum or gypsum plank	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base	Firestone Two Piece Impact Nail (W/D ≥ 119 lbf)	9-inch o.c. in the 4-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-67.5					



				TABLE 7A: RECOVER APPLICATIONS					
			SYSTEM	TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER				
System	Substrate	Base Insulation Layer		Top Insulation Layer			Roof Cover (Notes 15 & 16	)	MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
COLD-APPLI	ED BASE; FIRESTONE MULTI-	PURPOSE MB COLD ADHESIVE:						,	
R-1	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack, I.S.O. Stick or CR-20	(Optional) One or more layers base insulation	I.S.O. Twin Pack, I.S.O. Stick or CR-20	BP-CA, SBS- CA	(Optional) BP-CA, SBS- CA	SBS-CA	-67.5
R-2	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack, I.S.O. Stick or CR-20	(Optional) One or more layers base insulation	I.S.O. Twin Pack, I.S.O. Stick or CR-20	APP-CA	None	APP-CA	-67.5
R-3	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack or I.S.O. Stick Adhesive	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack or I.S.O. Stick Adhesive	BP-CA or SBS-CA	(Optional) BP-CA, SBS- CA	SBS-CA	-67.5
R-4	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack or I.S.O. Stick Adhesive	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack or I.S.O. Stick Adhesive	APP-CA	None	APP-CA	-67.5
R-5	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack, I.S.O. Stick or CR-20	(Optional) One or more layers base insulation	I.S.O. Twin Pack, I.S.O. Stick or CR-20	SBS-CA	None	SBS-CA	-82.5
R-6	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S, 6-inch o.c.	APP-CA	None	APP-CA	-67.5
R-7	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S, 6-inch o.c.	BP-CA or SBS-CA	(Optional) BP-CA, SBS- CA	SBS-CA	-82.5
R-8	Existing asphalt BUR	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	APP-CA	None	APP-CA	-52.5
R-9	Existing asphalt BUR	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	BP-CA or SBS-CA	(Optional) BP-CA, SBS- CA	SBS-CA	-52.5
R-10	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S, 6-inch o.c.	APP-CA	None	APP-CA	-67.5



				TABLE 7A: RECOVER APPLICATIONS					
			SYSTEM	TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER				
System	Substrate	Base Insulation	Layer	Top Insulation Layer			Roof Cover (Notes 15 & 16	i)	MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
R-11	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S, 6-inch o.c.	BP-CA or SBS-CA	(Optional) BP-CA, SBS- CA	SBS-CA	-67.5
R-12	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	APP-CA	None	APP-CA	-37.5
R-13	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	BP-CA or SBS-CA	(Optional) BP-CA, SBS- CA	SBS-CA	-37.5
R-14	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	APP-CA	None	APP-CA	-67.5
R-15	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
R-16	Existing granule surface modified bitumen	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	APP-CA	None	APP-CA	-52.5
R-17	Existing granule surface modified bitumen	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS- CA	SBS-CA	-52.5
R-18	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	APP-CA	None	APP-CA	-67.5



			SYSTEM	TABLE 7A: RECOVER APPLICATIONS TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER				
System	Substrate	Base Insulation	Layer	Top Insulation Layer	Top Insulation Layer		Roof Cover (Notes 15 & 16	5)	MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
R-19	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS- CA	SBS-CA	-67.5
R-20	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5
R-21	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS- CA	SBS-CA	-37.5
COLD-APPLI	ED BASE; FIRESTONE LIQUIGA	ARD MEMBRANE ADHESIVE:				•			
R-22	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-255.0
R-23	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-255.0
R-24	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-195.0
R-25	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-195.0



			SYSTEM	TABLE 7A: RECOVER APPLICATIONS TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER				
System	Substrate	Base Insulation		Top Insulation Layer			Roof Cover (Notes 15 & 16	)	MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
R-26	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S; I.S.O. Twin Pack	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-202.5
R-27	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S; I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S; I.S.O. Twin Pack	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-205.5
ASPHALT AN	ID/OR TORCH APPLIED BASE:								
R-28	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch FiberTop	Hot Asphalt	BP-AA	None	APP-TA	-97.5
R-29	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch Fiber Top	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-120.0
R-30	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-225.0
R-31	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch Fiber Top	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-422.5
R-32	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch Structodek High Density Fiberboard	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-520.0
R-33	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-157.5
R-34	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-TA	None	SBS-TA	-120.0
R-35	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-120.0
R-36	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch FiberTop C, E or S	I.S.O. Spray S, 6-inch o.c.	BP-AA or SBS-AA	(Optional) APP-TA	APP-TA	-97.5



				TABLE 7A: RECOVER APPLICATIONS					
			SYSTEM	TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER				
System	Substrate	Base Insulation	Layer	Top Insulation Layer			Roof Cover (Notes 15 & 16)	)	MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
R-37	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch FiberTop C, E or S	I.S.O. Spray S, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA	SBS-AA	-120.0
R-38	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
R-39	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA	SBS-AA	-157.5
R-40	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-TA	-232.5
R-41	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	BP-AA or SBS-AA	(Optional) APP-TA	APP-TA	-240.0
R-42	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch FiberTop C, E or S	I.S.O. Spray S	BP-AA or SBS-AA	(Optional) APP-TA	APP-TA	-97.5
R-43	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch FiberTop C, E or S	I.S.O. Spray S	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA	SBS-AA	-120.0
R-44	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5



				TABLE 7A: RECOVER APPLICATIONS					
			SYSTEM	TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER				
System	Substrate	Base Insulation Layer		Top Insulation Layer			Roof Cover (Notes 15 & 16)	)	MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
R-45	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II; I.S.O. Spray S; I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA	SBS-AA	-157.5
R-46	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II	BP-AA, SBS- AA or APP- TA	(Optional) APP-TA	APP-TA	-195.0
R-47	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S; I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S; I.S.O. Twin Pack	BP-AA, SBS- AA or APP- TA	(Optional) APP-TA	APP-TA	-202.5
R-48	Existing asphalt BUR	Min. 1.5-inch, min. 1.25 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-87.5
R-49	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	CR-20	SBS-TA	None	SBS-TA	-127.5
R-50	Existing asphalt BUR	Min. 1.5-inch, min. 1.5 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-180.0
R-51	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-225.0
R-52	Existing asphalt BUR	Min. 1.5-inch, min. 2.0 pcf ASTM C578 EPS board	CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	CR-20	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP-TA	-225.0
SELF-ADHER	RING BASE:								
R-53	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0
R-54	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. FIX II	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-195.0



				TABLE 7A: RECOVER APPLICATIONS						
			SYSTEM	TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER					
System	Substrate	Base Insulation	n Layer	Top Insulation Layer	Top Insulation Layer		Roof Cover (Notes 15 & 16)			
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)	
R-55	Existing granule surface modified bitumen	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5	
R-56	Existing granule surface modified bitumen	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-195.0	
R-57	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5	
R-58	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. FIX II	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-195.0	
R-59	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. FIX II	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5	
R-60	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) One or more layers base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5	
R-61	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-202.5	
R-62	Existing granule surface modified bitumen	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5	
R-63	Existing granule surface modified bitumen	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5	
R-64	Existing asphalt BUR	(Optional) One or more layers, min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5	



				TABLE 7A: RECOVER APPLICATIONS					
			SYSTEM	TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER				
System	Substrate	Base Insulation	Layer	Top Insulation Layer	Top Insulation Layer		Roof Cover (Notes 15 & 16)	)	MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)
R-65	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5
R-66	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
R-67	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5
R-68	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-202.5
R-69	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S, 6-inch o.c.	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
R-70	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Spray S, 6-inch o.c.	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-247.5
R-71	Existing granule surface modified bitumen	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5
R-72	Existing asphalt BUR	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5
R-73	Existing granule surface modified bitumen	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
R-74	Existing asphalt BUR	Min. 1-inch RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5



TABLE 7A: RECOVER APPLICATIONS  SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER											
System	Substrate	Base Insulation	Layer	Top Insulation Layer			Roof Cover (Notes 15 & 16)	)	MDP		
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base	Ply	Сар	(psf)		
R-75	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5		
R-76	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S, 6-inch o.c.	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5		
R-77	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5		
R-78	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Spray S, 6-inch o.c.	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5		
R-79	Existing granule surface modified bitumen	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5		
R-80	Existing asphalt BUR	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer	I.S.O. Spray S, 6-inch o.c.	Additional layers of base insulation or min. 0.5- inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5		
R-81	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	Tapered ISO 95+ GL, GenFlex ISO Insulation	CR-20	BASEGARD SA	(Optional) SBA-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5		
R-82	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0		
R-83	Existing asphalt BUR	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	CR-20	(Optional) One or more layers base insulation	CR-20	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-247.5		