

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 96th Street Indianapolis, IN 46260 **(800) 443-4272**

Evaluation Report F47310.12.13-1-R4

FL16722-R3

Date of Issuance: 03/05/2014

Revision 4: 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**th **Edition (2017) Florida Building Code, High Velocity Hurricane Zone (HVHZ)** 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 "Engineer Evaluated, FBC (HVHZ)" 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 72-page Appendix.

Prepared by:

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ANE1983



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

CERTIFICATION OF INDEPENDENCE:

- 1. Exterior Research & Design, LLC. d/b/a Trinity | ERD does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
- 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.
- 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 5th Edition (2014) Florida Building Code, High Velocity Hurricane Zone (HVHZ) 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>
1523.6.2	Testing Requirements	TAS 110	2000
TAS 110	System Performance	TAS 114	2011
TAS 110	Physical Properties	ASTM D2178	2004
TAS 110	Physical Properties	ASTM D4601	2012
TAS 110	Physical Properties	ASTM D4897	2009
TAS 110	Physical Properties	ASTM D6163	2008
TAS 110	Physical Properties	ASTM D6164	2011
1507.11.2	Physical Properties	ASTM D6222	2011
1507.11.2	Physical Properties	ASTM D6223	2011
1507.11.2	Physical Properties	ASTM D6509	2009

3. REFERENCES:

ACRC (TST4671) TAS 114 03-001 03/06/2003 FM (TST1867) FM 4470/4474 797-07678-267 09/13/2011 ACRC (TST4671) TAS 114 03-007 05/01/2003 FM (TST1867) FM 4470/4474 3036639 11/22/2012 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 3044429 04/12/2012 ACRC (TST4671) TAS 114 08-015 02/26/2008 FM (TST1867) FM 4470/4474 3044429 05/04/2012 ACRC (TST4671) TAS 114 08-015 02/26/2008 FM (TST1867) FM 4470/4474 3044012 05/04/2012 ACRC (TST4671) TAS 114 08-015 02/26/2008 FM (TST1867) FM 4470/4474 3044012 05/04/2012 ACRC (TST4671) TAS 114 08-056 10/24/2008 FM (TST1867) FM 4470/4474 3044047 05/17/2012 ACRC (TST4671) TAS 114 108R 10/16/2008 FM (TST1867) FM 4470/4474 3044047 05/17/2012 ERD (TST 6049) Physical Properties F10380.09.08-2 09/12/2008 FM (TST1867) FM 4470/4474 3041939 08/14/2012 ERD (TST 6049) Physical Properties F31960.05.10-2 05/19/2010 FM (TST1867) FM 4470/4474 797-07673-267 09/24/2012 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 F31960.08.10-1 08/25/2010 FM (TST1867) FM 4470/4474 3046870 03/22/2013 ERD (TST 6049) Physical Properties F31960.08.10-1 08/25/2010 FM (TST1867) FM 4470/4474 304590 03/22/2013 ERD (TST 6049) Physical Properties F36650.09.11 05/31/2011 FM (TST1867) FM 4470/4474 304590 03/22/2013 ERD (TST 6049) Physical Properties F36650.09.12 08/24/2012 FM (TST1867) FM 4470/4474 305590 03/12/2015 ERD (TST 6049) Physical Properties F36650.09.12 09/04/2012 FM (TST1867) FM 4470/4474 305590 03/12/2016 ERD (TST 6049) Physical Properties P1960.08.10-R1 03/25/2013 FM (TST1867) FM 4470/4474 305590 03/12/2016 ERD (TST 6049) Physical Properties P1960.08.10-R1 03/25/2013 FM (TST1867) FM 4470/4474 305590 03/12/2016 ERD (TST 6049) Physical Properties P1960.08.10-R1 10/21/2013 FM (TST1867) FM 4470/4474 305590 03/12/2016 ERD (TST 60
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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



Entity	Examination	Reference	<u>Date</u>	<u>Entity</u>	Examination	Reference	<u>Date</u>
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
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
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FM (TST1867)	FM 4470/4474	797-04929.267	09/25/2009	PRI (TST5878)	TAS 114	FBP-054-02-03	08/02/2012
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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 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									
Tuno	Product	Specification							
Туре	Product	Reference	Grade	Type					
	Ply IV	ASTM D2178	N/A	IV					
	Ply VI	ASTM D2178	N/A	VI					
Page Div / Div	MB Base	ASTM D4601	N/A	II					
Base Ply / Ply	Channel Venting Base	ASTM D4897	N/A	П					
	Venting Base Sheet	ASTM D4897	N/A	П					
	BASEGARD SA	ASTM D1970	N/A	N/A					
	SBS Base	ASTM D6163	S	I					
	SBS Base-P	ASTM D6163	S	I					
SBS Membranes	SBS Premium Base	ASTM D6163	S	П					
3D3 Membranes	SBS Glass Torch Base	ASTM D6163	S	I					
	SBS Glass Torch Base 1.5	ASTM D6163	S	I					
	SBS Glass	ASTM D6163	G	I					



	TABLE 1 (CONTINUED): ROLL-GOODS FOR FIRESTON			
Туре	Product		ification	
Турс		Reference	Grade	Туре
	SBS Glass UltraWhite	ASTM D6163	G	
	SBS Glass FR	ASTM D6163	G	
	SBS Glass FR UltraWhite	ASTM D6163	G	
	SBS Glass FR Torch	ASTM D6163	G	
	SBS Glass FR Torch UltraWhite	ASTM D6163	G	
	SBS PolyBase	ASTM D6164	S	
	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	
	SBS FR Cap	ASTM D6164	G	I
SBS Membranes	SBS FR Cap UltraWhite	ASTM D6164	G	I
(continued)	SBS Premium	ASTM D6164	G	П
continuca	SBS Premium UltraWhite	ASTM D6164	G	П
	SBS Premium FR	ASTM D6164	G	II
	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	=
	SBS Poly Torch Base	ASTM D6164	S	
	SBS Torch	ASTM D6164	G	
	SBS Torch UltraWhite	ASTM D6164	G	I
	SBS FR Torch	ASTM D6164	G	I
	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 Premium Base	ASTM D6509	N/A	N/A
	APP 160	ASTM D6222	S	I
	APP 160-P	ASTM D6222	S	
	APP 160 COOL	ASTM D6222	S	1
	APP 170	ASTM D6222	S	
	APP 170 COOL	ASTM D6222	S	1
	APP 180	ASTM D6222	G	1
APP Membranes	APP 180-P	ASTM D6222	G	- 1
	APP 180 UltraWhite	ASTM D6222	G	
	APP 180 COOL	ASTM D6222	G	
	APP 180 FR	ASTM D6222	G	ı
	APP 180 FR UltraWhite	ASTM D6222	G	
	APP 180 FR COOL	ASTM D6222	G	I
	APP 180 FR COOL UltraWhite	ASTM D6222	G	
	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 Fire classification is not part of this Evaluation Report; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- 5.3 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.
- 5.4 The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to 'as-tested' conditions under **Testing Application Standard TAS 114, Appendix J.** Roof decks shall be in accordance with **FBC (HVHZ)** requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.5 Fastener spacing for mechanical attachment of anchor/base sheet or membrane is based on a minimum fastener resistance value in conjunction with the maximum design pressure (MDP) listed for a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing prepared, signed and sealed by a qualified design professional may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standard TAS 105 and calculations in compliance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137.
- 5.5.1 If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or Roofing Application Standard RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- 5.6 For systems where specific lightweight insulating concrete is referenced, consult the current HVHZ product approval documentation for specific deck construction and limitations. For systems where specific lightweight insulating concrete is not referenced, the minimum design mix shall be for minimum 300 psi cellular material.
- 5.7 For recover installations, the existing roof shall be examined in accordance with FBC 1521.
- 5.8 Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased, as calculated in compliance with **Roofing Application Standard RAS 117** and/or Roofing Application Standard RAS 137 by a qualified design professional. *This extrapolation is not permitted for systems marked with an asterisk*.
- 5.9 All attachment and sizing of perimeter nailers, metal profile and/or flashing termination designs shall conform to **Roofing Application Standard RAS 111** and applicable wind load requirements.
- 5.10 For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation listed shall be applicable to all roof pressure zones (i.e., field, perimeters and corners). Neither rational analysis, nor extrapolation is permitted for enhanced attachment at enhanced pressure zones (i.e., perimeters, corners and extended corners).
- 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 **Testing Application Standard TAS 124**.
- 5.12 All products listed herein shall have quality assurance audit in accordance with the F.A.C. 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 Testing Application Standard TAS 114 has already been applied). Refer to FBC 1620 and Roofing Application Standard RAS 128 for determination of design wind loads.

7. QUALITY ASSURANCE ENTITY:

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

- THE 72-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -



A PPENDIX	PPENDIX 1: ATTACHMENT REQUIREMENTS FOR 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	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	8-9					
1E-2	Wood	New, Reroof (Tear-Off) or Recover	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	10					
2A-1	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	11-15					
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	16-17					
2B	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	С	Mech. Attached Insulation, Bonded Roof Cover	18-24					
2C	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	D	Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	25-26					
3A	Structural Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	27-36					
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	38-49					
4B	LWIC	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	50					
4C-1	LWIC	New or Reroof (Tear-Off)	Е	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	51-54					
4C-2	LWIC	New or Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	55					
5A	CWF	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	56					
5B	CWF	New, Reroof (Tear-Off) or Recover	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	56					
5C	CWF	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	57					
5D	CWF	New, Reroof (Tear-Off) or Recover	С	Mech. Attached Insulation, Bonded Roof Cover	57					
5E	CWF	New, Reroof (Tear-Off) or Recover	D	Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	57					
5F	CWF	New, Reroof (Tear-Off) or Recover	Е	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	58					
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	59-60					
6B	Gypsum	Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	61					
6C	Gypsum	Reroof (Tear-Off)	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	61					
6D	Gypsum	Reroof (Tear-Off)	С	Mech. Attached Insulation, Bonded Roof Cover	62					
6E	Gypsum	Reroof (Tear-Off)	D	Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	62					
6F	Gypsum	Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	63					
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	64-72					

The following notes apply to the systems outlined herein:

- 1. The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to 'as-tested' conditions under Testing Application Standard TAS 114, Appendix J. Roof decks shall be in accordance with FBC (HVHZ) requirements to the satisfaction of the Authority Having Jurisdiction.
- 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 wood penetration.

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 1.25-inch embedment into pilot hole in accordance with published installation instructions.
- 3. Unless otherwise noted, the insulation may be any 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 (HVHZ) 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- 4. If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or Roofing Application Standard RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- 5. Preliminary insulation attachment for System Type D = Minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.
- 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 ribbons, 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 0.75 to 0.75-inch ribbons, 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.

\triangleright	Hot asphalt:	MDP	-120.0 psf	(Min. 0.5-inch thick)
\triangleright	Firestone I.S.O. FIX II:	MDP	-112.5 psf	(Min. 0.5-inch thick)
\triangleright	Firestone I.S.O. Stick:	MDP	-187.5 psf	(Min. 0.5-inch thick)
\triangleright	Firestone I.S.O. Twin Pack or I.S.O. Spray R:	MDP	-157.5 psf	(Min. 0.5-inch thick)
\triangleright	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. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased, as calculated in compliance with Roofing Application Standard RAS 117 and/or Roofing Application Standard RAS 137 by a qualified design professional. *This extrapolation is not permitted for systems marked with an asterisk*.
- 10. For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation listed shall be applicable to all roof pressure zones (i.e., field, perimeters and corners). Neither rational analysis, nor extrapolation is permitted for enhanced attachment at enhanced pressure zones (i.e., perimeters, corners and extended corners).
- 11. Fastener spacing for mechanical attachment of anchor/base sheet or membrane is based on a minimum fastener resistance value in conjunction with the maximum design pressure (MDP) listed for a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing prepared, signed and sealed by a qualified design professional may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standard TAS 105 and calculations in compliance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137.
- 12. 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 Testing Application Standard TAS 124.
- 13. For recover installations, the existing roof shall be examined in accordance with FBC 1521. For Recover Applications using System Type D, the insulation is optional.

Appendix 1, Page 2 of 72



- 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 NOA or HVHZ 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 Ply and Ply, Cold- Base		MB Base						
Applied)	Ply	Ply VI						
	Base Ply	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Fire the second Admini					
SBS-CA (SBS, Cold-Applied)	Ply	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Firestone Multi- Purpose MB Cold					
353 Cr (355, Cold ripplica)	Cap Ply	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	Adhesive at 1.5 - 2.0 gal/square					
	Base Ply	APP 160 COOL, APP 170 COOL, APP Premium Base						
APP-CA (APP, Cold-Applied)	Cap Ply	APP 160 COOL, APP 170 COOL, APP 180 COOL, APP 180 FR COOL, APP 180 FR COOL UltraWhite, APP Premium FR, APP Premium FR UltraWhite						
BP-CA2 (Base Ply and Ply, Cold-	Base Ply	MB Base						
Applied)	Ply	Ply VI	Firestone LiquiGard					
	Base Ply	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Membrane Adhesive					
SBS-CA2 (SBS, Cold-Applied)	Ply	SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	at 1.5 - 2.0					
353 CAZ (353, Cold Applica)	Cap Ply	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	gal/square					
BP-AA (Base Ply and Ply, Asphalt-	Base Ply	MB Base, Ply IV, Ply VI						
Applied)	Ply	Ply IV, Ply VI						
	Base Ply	SBS Base, SBS Base-P SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, SBS Smooth	Hot asphalt at 20-40					
SBS-AA (SBS, Asphalt-Applied)	Ply	SBS Base, SBS Base-P SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, SBS Smooth	lbs/square					
353 AA (353, Aspirate Applica)	Cap Ply	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 Ply	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth						
SBS-TA (SBS, Torch-Applied)	Ply	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth	Torch-Applied					
333 TY (323), Total Applica,	Cap Ply	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 UltraWhite, SBS Premium FR Torch, SBS Premium FR Torch UltraWhite	Totell Applied					
	Base Ply	APP 80 Glass Base, APP 80 Glass Base-P, APP 160, APP 160-P, APP 170, APP Premium Base						
APP-TA (APP, Torch-Applied)	Ply	APP 160, APP 160-P, APP 170, APP Premium Base	Torch-Applied					
APP-1A (APP, TORCH-Applied)	Cap Ply	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	Тотен-друшей					
SBS-SA (SBS, self-adhering)	Base Ply	BASEGARD SA	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.

	ALTERNATE CAP PLY INSTALLATION ALLOWANCES									
Deck Type	System Type	Listed Cap Ply	Alternate Cold-Cap Ply	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 (over structural 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	VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION PER TABLE 3A:									
O-1-1-1		Vapor Ba	rrier	Insulation Adhesing (Nata C)	MADD (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. Refer to FBC (HVHZ) 1620 and Roofing Application Standard RAS 128 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:

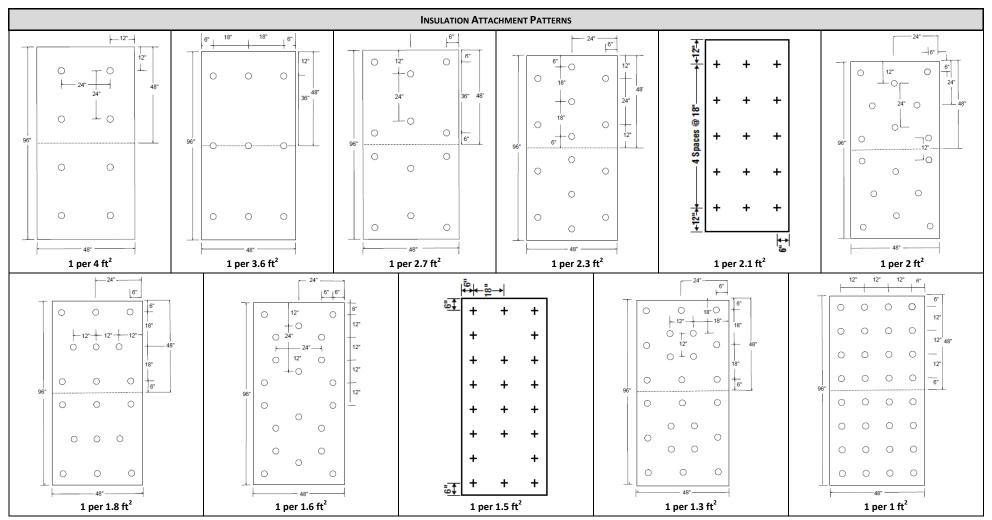




	TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System	Deck		Anchor Shee	et	Ir	sulation		R	oof Cover (Notes 15 & 1	16)	MDP	
No.	(Note 1)	Туре	Fasteners	Attach	Base	Тор	Attach	Base Ply	Ply	Cap Ply	(psf)	
W-1	Min. 19/32-inch plywood or wood plank	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 or wood plank; 24" spans; 8d ring shank nails 6" o.c.	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	Base Insulation Layer			Top Insulation Laye	er		Roof Cover (Notes 15 & 16)		MDP			
	(Note 1)	Туре	Fasteners	Attach (Note 21)	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)			
W-3	Min. 19/32-inch plywood or wood plank	Min. 1.3-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2.3 ft ²	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 or wood plank; 24" spans; 8d ring shank nails 6" o.c.	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft²	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	Deck		Top Ins	sulation Layer			Roof Cover (Notes 15 & 16	5)	MDP			
No.	(Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base Ply	Ply	Cap Ply	(psf)			
COLD-APPLIE	D-APPLIED BASE PLY; FIRESTONE MULTI-PURPOSE MB COLD ADHESIVE:											
W-5	Min. 19/32-inch plywood or wood plank	(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 ²	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 PLY:											
W-6	Min. 19/32-inch plywood or wood plank	One or more layers, any combination, loose laid	Min. 0.5-inch FiberTop	Note 2	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*			
W-7	Min. 23/32-inch plywood or wood plank	One or more layers, any combination, loose laid	Min. 0.5-inch Dens-Deck, Dens-Deck Prime	Note 2	1 per 3.6 ft²	SBS-AA	(Optional) SBS-AA	SBS-AA	-45.0*			
SELF-ADHER	ING BASE PLY:											
W-8	Min. 19/32-inch plywood or wood plank	(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 ²	SBS-SA	(Optional) BP-AA, SBS- AA, SBS-TA	SBS-AA, SBS-TA	-50.0*			
W-9	Min. 19/32-inch plywood or wood plank; 24" spans; blocked 78" o.c.; 0.113" x 2 3/8" ring shank nails 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch RESISTA, GenFlex Coated Glass Facer or 0.5-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft.	Note 2	1 per 1.78 ft²	SBS-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	Deal (Neve 4)	Insulation L	.ayer(s)		Ва	se or Anchor Sheet	Roof Cover (Notes	MDP				
No.	Deck (Note 1)	Туре	Attach	Туре	Fasteners	Base Ply	Cap Ply	(psf)				
W-10	Min. 19/32-inch plywood or wood plank	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-11	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	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) SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER											
System	Deck			Base Sheet	Roof Cover (Notes 1	5 & 16)	MDP					
No.	(Note 1)	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)					
COLD-APPLIE	ED BASE PLY; FIRESTONE LIQUIGARD	MEMBRANE ADHESIVE:										
W-12	Min. 19/32-inch plywood; 24" spans; blocked 48" o.c.; 0.113" x 2 3/8" ring shank nails 6" 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:											
W-13	Min. 19/32-inch plywood or wood plank	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-14	Min. 15/32-inch exterior grade plywood	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-15	Min. 15/32-inch exterior grade plywood	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-16	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	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-17	Min. 19/32-inch plywood; 24" spans; blocked 78" o.c.; 0.113" x 2 3/8" ring shank nails 6" 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-18	Min. 15/32-inch exterior grade plywood; 24" spans; 8d common nails 6" o.c.	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-19	Min. 15/32-inch exterior grade plywood; 24" spans; 8d common nails 6" o.c.	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	АРР-ТА	-52.5					
W-20	Min. 15/32-inch exterior grade plywood; 24" spans; #10 screws 6" o.c.	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-21	Min. 15/32-inch exterior grade plywood; 24" spans; #10 screws 6" o.c.	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					



TABLE 1E-1: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER **Base Sheet** Roof Cover (Notes 15 & 16) Deck System MDP No. (Note 1) (psf) Type **Fasteners** Attach **Base Ply** Cap Ply Min. 19/32-inch plywood; 24" spans; blocked 78" o.c.; FBC HVHZ 1519.5.1 6-inch o.c. at the 3-inch side lap and 6-inch o.c. at three (3), One or more BP-AA, SBS-AA, SBS-CA2, SBS-W-22 SBS Base -97.5 0.113" x 2 3/8" ring shank equally spaced, staggered rows in the center of the sheet SBS-TA AA, SBS-TA nails & tin caps nails 6" o.c. MB Base, Channel Min. 15/32-inch exterior Venting Base, SBS Simplex MAXX Cap 6-inch o.c. at the 2-inch side lap and 6-inch o.c. at three (3), (Optional) One or more BP-AA, W-23 grade plywood; 24" spans; SBS-AA, SBS-TA -105.0 Base, SBS Fastener equally spaced, staggered rows in the center of the sheet SBS-AA or SBS-TA #10 screws 4" o.c. PolyBase Min. 15/32-inch exterior (Optional) One or more APP-MB Base, Channel Simplex MAXX Cap 6-inch o.c. at the 2-inch side lap and 6-inch o.c. at three (3), W-24 grade plywood; 24" spans; APP-TA -105.0 **Venting Base** Fastener equally spaced, staggered rows in the center of the sheet TΑ #10 screws 4" o.c. SELF-ADHERING BASE PLY: Min. 19/32-inch plywood or wood plank; 24" spans; FBC HVHZ 1519.5.1 9-inch o.c. at the 2-inch side lap and 9-inch o.c. at three (3), W-25 MB Base SBS-SA -52.5 SBS-AA, SBS-TA blocked 78" o.c.; 0.113" x 2 nails & tin caps equally spaced, staggered rows in the center of the sheet

3/8" ring shank nails 6" o.c.



TABLE 1E-2: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER											
	:	SYSTEM TYPE E: N	ON-INSULATE	ED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COV	'ER						
System	Deck			Base Sheet	Roof Cover (Not	es 15 & 16)	MDP				
No.	(Note 1)	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)				
COLD-APPLIE	D BASE PLY; FIRESTONE LIQUIGARD MEMBRANE A	DHESIVE:									
W-26	Min. 19/32-inch plywood or wood plank; 24" spans; blocked 78" o.c.; 0.113" x 2 3/8" ring shank nails 6" 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	PHALT OR TORCH APPLIED BASE PLY:										
W-27	Min. 19/32-inch plywood or wood plank; 24" spans; 8d ring shank nails 6" o.c.	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-28	Min. 19/32-inch plywood or wood plank; 24" spans; blocked 78" o.c.; 0.113" x 2 3/8" ring shank nails 6" 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-29	Min. 19/32-inch plywood; 24" spans; blocked 78" o.c.; 0.113" x 2 3/8" ring shank nails 6" 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	ING BASE PLY:										
W-30	Min. 19/32-inch plywood or wood plank; 24" spans; blocked 78" o.c.; 0.113" x 2 3/8" ring shank nails 6" o.c.	MB 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	SBS-SA	SBS-AA, SBS-TA	-75.0				



Contain	Deck	Base Insu	lation Layer		Top Insulation Layer		Roc	of Cover (Notes 15 &	16)	MDP
System No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
COLD-APP	LIED BASE PLY; FIRESTONE MULTI-F	PURPOSE MB COLD ADHESIVE	:							
S-1	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. FIX II	APP-CA	None	APP-CA	-45.0*
S-2	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. FIX II	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
S-3	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 ²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
S-4	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	APP-CA	None	APP-CA	-45.0*
S-5	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*
S-6	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*
S-7	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*
S-8	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*



Contain	Deck	Base Insu	lation Layer		Top Insulation Layer		Roc	MDD		
System No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base Ply	Ply	Cap Ply	MDP (psf)
S-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. Stick	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
S-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 or RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2 ft ²	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*
S-11	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 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*
S-12	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*
S-13	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 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*
S-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. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
COLD-APP	LIED BASE PLY; FIRESTONE LIQUIGA	RD MEMBRANE ADHESIVE:								
S-15	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*



Contain	Deck	Base Insu	lation Layer		Top Insulation Layer		Roc	of Cover (Notes 15 &	16)	MDP
System No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
S-16	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*
S-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	Note 2	1 per 2.7 ft ²	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*
S-18	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*
S-19	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c. 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 PLY:								•	
S-20	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 2.3 ft ²	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*
S-21	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*
S-22	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 2 ft ²	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



S	Deck	Base Insu	lation Layer		Top Insulation Layer		Roo	of Cover (Notes 15 &	16)	MDD
System No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base Ply	Ply	Cap Ply	MDP (psf)
S-23	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12-24 x 1¼" HWH screw 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.6 ft ²	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
S-24	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 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*
S-25	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 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*
S-26	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 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	-45.0*
S-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; 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	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*
S-28	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12-24 x 1½" HWH screw 6" o.c.	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, 6-inch o.c.	BP-AA, SBS- AA, SBS-TA	(Optional) One or more SBS- CA2, BP-AA, SBS- AA, SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-67.5
S-29	Min. 22 ga., type B, Grade 33 steel; 6' spans; #12 HWH Teks 5 screw 6" o.c.	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1 ft²	Min. 0.5-inch Dens Deck Prime	I.S.O. Spray R	BP-AA, SBS- AA, SBS-TA	(Optional) BP- AA, SBS-AA, SBS- TA	SBS-TA	-82.5
S-30	Min. 22 ga., type B, Grade 80 steel; 6' spans; #12 HWH Teks 5 screw 6" o.c.	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1 ft²	Min. 0.5-inch Dens Deck Prime	I.S.O. Spray R	BP-AA, SBS- AA, SBS-TA	(Optional) BP- AA, SBS-AA, SBS- TA	SBS-TA	-97.5



6	Deck	Base Insu	lation Layer		Top Insulation Layer		Roc	of Cover (Notes 15 &	16)	***
System No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Туре	Attach	Base Ply	Ply	Cap Ply	MDP (psf)
SELF-ADHE	RING BASE PLY:									
S-31	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	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-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 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	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-33	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	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-34	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 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*
S-35	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12-24 x 1¼" HWH screw 6" o.c.	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.6 ft²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, 6-inch o.c.	SBS-SA	(Optional) SBS- AA, SBS-TA	SBS-AA, SBS-TA	-67.5
S-36	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c. 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.	SBS-SA	(Optional) SBS- AA, SBS-TA	SBS-AA, SBS-TA	-67.5
S-37	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. 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.	SBS-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) Deck System MDP **Temp Roof** Attach No. (psf) (Note 1) Cap Ply Type Fasten Type Attach Base Ply Ply (Note 21) COLD-APPLIED BASE PLY: FIRESTONE MULTI-PURPOSE MB COLD ADHESIVE: Min. 22 ga., Type B, Min. 0.25-inch Dens Deck or V-Force One or more layers Min. 1.5-inch ISO 95+ Grade 33 steel or 0.5-inch SECUROCK Gypsum GL, GenFlex ISO Insulation; optional Min. I.S.O. BP-CA or 1 per 4 Vapor (Optional) BP-S-38 Note 2 SBS-CA -45.0* ft² Min. 2,500 psi Fiber Roof Board primed Barrier 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Stick SBS-CA CA, SBS-CA structural concrete with V-Force SB Primer Membrane Insulation V-Force One or more layers Min. 1.5-inch ISO 95+ Min. 22 ga., Type B, Min. 0.25-inch Dens Deck or Grade 33 steel or 0.5-inch SECUROCK Gypsum 1 per 4 Vapor GL, GenFlex ISO Insulation; optional Min. I.S.O. S-39 Note 2 APP-CA APP-CA None -45.0* Min. 2,500 psi Fiber Roof Board primed ft² Barrier 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Stick structural concrete with V-Force SB Primer Membrane Insulation One or more layers Min. 1.5-inch ISO 95+ Min. 22 ga., Type B, Min. 0.25-inch Dens Deck or V-Force GL, GenFlex ISO Insulation; optional Min. Grade 33 steel or 0.5-inch SECUROCK Gypsum Vapor I.S.O. BP-CA or 1 per 4 (Optional) BP-S-40 Note 2 0.5-inch Tapered ISO 95+ GL, GenFlex ISO SBS-CA -45.0* Min. 2,500 psi Fiber Roof Board primed ft² Stick SBS-CA CA, SBS-CA Barrier Insulation; Min. 0.50-inch ISOGARD HD, structural concrete with V-Force SB Primer Membrane GenFlex HD ISO One or more layers Min. 1.5-inch ISO 95+ Min. 22 ga., Type B, Min. 0.25-inch Dens Deck or V-Force GL, GenFlex ISO Insulation; optional Min. Grade 33 steel or 0.5-inch SECUROCK Gypsum 1 per 4 Vapor I.S.O. Note 2 S-41 0.5-inch Tapered ISO 95+ GL, GenFlex ISO APP-CA APP-CA -45.0* None ft² Min. 2,500 psi Fiber Roof Board primed Barrier Stick Insulation; Min. 0.50-inch ISOGARD HD, with V-Force SB Primer structural concrete Membrane GenFlex HD ISO COLD-APPLIED BASE PLY; FIRESTONE LIQUIGARD MEMBRANE ADHESIVE: Min. 22 ga., Type B, Min. 0.25-inch Dens Deck or V-Force One or more layers Min. 1.5-inch ISO 95+ Grade 33 steel or 0.5-inch SECUROCK Gypsum Vapor GL. GenFlex ISO Insulation: optional Min. I.S.O. BP-CA2 or 1 per 4 (Optional) BP-S-42 Note 2 SBS-CA2 -45.0* Min. 2,500 psi Fiber Roof Board primed Barrier 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Stick SBS-CA2 CA2 or SBS-CA2 structural concrete with V-Force SB Primer Membrane Insulation One or more layers Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; optional Min. V-Force Min. 22 ga., Type B, Min. 0.25-inch Dens Deck or 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Grade 33 steel or 0.5-inch SECUROCK Gypsum 1 per 4 I.S.O. BP-CA2 or (Optional) BP-Vapor Note 2 S-43 Insulation; Min. 0.50-inch ISOGARD HD, SBS-CA2 -45.0* Min. 2,500 psi Fiber Roof Board primed Barrier Stick SBS-CA2 CA2 or SBS-CA2 GenFlex HD ISO or Min. 0.25-inch Dens structural concrete with V-Force SB Primer Membrane Deck Prime or SECUROCK Gypsum Fiber Roof Board

ASPHALT AND/OR TORCH APPLIED BASE PLY:



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

	Deck	Thermal Ba	ırrier			Insulation Layer(s)		Roof	Cover (Notes 15 &	16)	MDP
System No.	(Note 1)	Туре	Fasten	Attach (Note 21)	Temp Roof	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
S-44	Min. 22 ga., Type B, Grade 33 steel or Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	Note 2	1 per 4 ft ²	V-Force Vapor Barrier Membrane	One or more layers Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; optional Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation; Min. 0.50-inch FiberTop C or S	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*
S-45	Min. 22 ga., Type B, Grade 33 steel or Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	Note 2	1 per 4 ft²	V-Force Vapor Barrier Membrane	One or more layers Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; optional Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation; Min. 0.25-inch 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*
SELF-ADHER	ING BASE PLY:										
S-46	Min. 22 ga., Type B, Grade 33 steel or Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	Note 2	1 per 4 ft ²	V-Force Vapor Barrier Membrane	One or more layers Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; optional Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation	I.S.O. Stick	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP- TA	-45.0*
S-47	Min. 22 ga., Type B, Grade 33 steel or Min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	Note 2	1 per 4 ft ²	V-Force Vapor Barrier Membrane	One or more layers Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation; optional Min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation; Min. 0.50-inch ISOGARD HD, GenFlex HD ISO or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-SA	(Optional) SBS- TA or APP-TA	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

Contain			Top Insulation Layer			Roof Cover (Notes 15 & 16)			
System No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasten	Attach (Note 21)	Base Ply	Ply	Cap Ply	MDP (psf)
COLD-APPLI	ED BASE PLY; FIRESTONE MULTI-PURPOSE M	B COLD ADHESIVE:							
S-48	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 ²	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
S-49	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 ²	APP-CA	None	APP-CA	-45.0*
S-50	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 ²	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
S-51	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 ²	APP-CA	None	APP-CA	-45.0*
S-52	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 ²	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
S-53	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 ²	APP-CA	None	APP-CA	-45.0*
S-54	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 ²	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
S-55	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 ²	APP_CA	None	APP-CA	-45.0*
S-56	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 ²	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
S-57	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 ²	APP-CA	None	APP-CA	-45.0*
S-58	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 ²	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-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

Constant			Top Insulation Layer			Re	oof Cover (Notes 15 & 16	i)	MDP
System No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasten	Attach (Note 21)	Base Ply	Ply	Cap Ply	(psf)
S-59	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 ²	APP-CA	None	APP-CA	-45.0*
S-60	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c. 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 ²	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
S-61	Min. 22 ga., type B, Grade 33 stee; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c. 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 ²	APP-CA	None	APP-CA	-52.5
S-62	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c.	(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 ²	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
S-63	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c.	(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 ²	APP-CA	None	APP-CA	-52.5
S-64	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 ²	BP-CA, SBS- CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
S-65	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 ²	APP-CA	None	APP-CA	-52.5
S-66	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	(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 ²	SBS-CA	None	SBS-CA	-60.0
S-67	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	(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 ²	SBS-CA	None	SBS-CA	-60.0
S-68	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	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 ²	SBS-CA	None	SBS-CA	-67.5



	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 Layer			R	oof Cover (Notes 15 & 16	5)				
System No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasten	Attach (Note 21)	Base Ply	Ply	Cap Ply	MDP (psf)			
S-69	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	(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 ²	SBS-CA	None	SBS-CA	-75.0			
S-70	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 ²	SBS-CA	None	SBS-CA	-90.0			
COLD-APPLI	ED BASE PLY; FIRESTONE LIQUIGARD MEMBR	ANE ADHESIVE:										
S-71	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 ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*			
S-72	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 ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*			
S-73	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 ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*			
S-74	Min. 22 ga., Type B, Grade 33 or Min. 2,500 psi structural concrete; 6' spans; 5/8" puddle weld or # Traxx/5 screw 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 1.78 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-60.0			
S-75	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	(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 ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-60.0			
S-76	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	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 ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-67.5			
S-77	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	(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 ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0			
S-78	Min. 22 ga., Type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 ft²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-82.5			



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

6			Top Insulation Layer			R	oof Cover (Notes 15 & 16	5)	***
System No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasten	Attach (Note 21)	Base Ply	Ply	Cap Ply	MDP (psf)
S-79	Min. 22 ga., Type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-90.0
S-80	Min. 22 ga., Type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-97.5
S-81	Min. 22 ga., Type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. 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
S-82	Min. 22 ga., Type B, Grade 80 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. 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 AN	D/OR TORCH APPLIED BASE PLY:								
S-83	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 ²	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*
S-84	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 ²	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*
S-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. 0.25-inch Dens Deck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	Note 2	1 per 2 ft ²	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*
S-86	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.5-inch Dens Deck Prime, long joints staggered 4 ft	Note 2	1 per 1.3 ft ²	BP-AA, SBS- AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
S-87	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	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 ²	BP-AA, SBS- AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
S-88	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	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 ²	BP-AA, SBS- AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0



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

Custom	Dock (Note 1)	Base Insulation Laver	Top Insulation Layer			R	oof Cover (Notes 15 & 16	5)	MDP
System No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasten	Attach (Note 21)	Base Ply	Ply	Cap Ply	(psf)
S-89	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch Dens-Deck Prime	Note 2	1 per 1.3 ft ²	SBS-TA	None	SBS-TA	-97.5
S-90	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch Dens-Deck Prime	Note 2	1 per 1.3 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-112.5
S-91	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch Dens-Deck Prime	Note 2	1 per 1 ft²	SBS-TA	None	SBS-TA	-127.5
S-92	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. 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 ft²	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0
S-93	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch Dens-Deck Prime	Note 2	1 per 1 ft²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-157.5
S-94	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-157.5
S-95	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1 ft²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-172.5
SELF-ADHER	ING BASE PLY:								
S-96	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch Dens-Deck Prime	Note 2	1 per 2 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-97	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch Dens-Deck Prime	Note 2	1 per 2 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-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

Contain			Top Insulation Layer			R	oof Cover (Notes 15 & 16	5)	MADD
System No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasten	Attach (Note 21)	Base Ply	Ply	Cap Ply	MDP (psf)
S-98	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 4 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-99	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 4 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-100	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 2.7 ft ²	SBS-SA	(Optional) SBS-TA	SBS-TA	-45.0*
S-101	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.2-inch ISO 95+ GL, GenFlex ISO Insulation	Note 2	1 per 4 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
S-102	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 4 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
S-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. 1.5-inch RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-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. 0.5-inch ISOGARD HD, GenFlex HD ISO	Note 2	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-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 ISOGARD HD Composite, GenFlex HD Composite ISO	Note 2	1 per 4 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
S-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. 1.5-inch RESISTA, GenFlex Coated Glass Facer	Note 2	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
S-107	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 ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
S-108	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 ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-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

Contant			Top Insulation Layer			R	oof Cover (Notes 15 & 16	5)	MDP
System No.	Deck (Note 1)	Base Insulation Layer	Туре	Fasten	Attach (Note 21)	Base Ply	Ply	Cap Ply	(psf)
S-109	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL, GenFlex ISO Insulation or RESISTA, GenFlex Coated Glass Facer, min. 1.5- inch ISOGARD HD Composite, GenFlex HD Composite ISO or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof board	Note 2	1 per 2.7 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
S-110	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation, RESISTA, GenFlex Coated Glass Facer or ISOGARD HD Composite, GenFlex HD Composite ISO	Note 2	1 per 1.8 ft ²	SBS-SA	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0
S-111	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	(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 ²	SBS-SA	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0
S-112	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1¼" HWH screw 6" o.c.	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 ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
S-113	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	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 ft²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
S-114	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	(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 ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0
S-115	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	One or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	Note 2	1 per 1.3 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0
S-116	Min. 22 ga. Type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12- 24 x 1½" HWH screw 6" o.c.	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 ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0



	TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS — NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER											
System	5 1 (2) . (3)	Insulation L	ayer(s)		Base Sh	eet	Roof Cover (Notes 15 & 16)	MDP			
No.	Deck (Note 1)	Туре	Attach	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)			
COLD-APPLIE	D BASE PLY; FIRESTONE MULTI-PUR	POSE MB COLD ADHESI	VE:									
S-117	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*			
S-118	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*			
S-119	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*			
S-120	Min. 22 ga., type B, Grade 33 stee; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c.l	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			
S-121	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c.	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			
S-122	Min. 22 ga., type B, Grade 80 steel; 6' spans; two (2) Traxx/5 screws 6" o.c.	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			
COLD-APPLIE	D BASE PLY; FIRESTONE LIQUIGARD	MEMBRANE ADHESIVE:										
S-123	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*			
S-124	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	33 steel; 6' spans; 5/8" One or more layers, any screw 6" o.c. or min. 2,500 psi structural concrete One or more layers, any combination Challine Veriting Base, SBS Base, SBS Base, SBS PolyBase, SBS Premium Base Note 2 12-inch o.c. at the min. 4-inch side lap an 12-inch o.c. at two, equally spaced staggered rows in the center of the sheet		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					
ASPHALT AND	O/OR TORCH APPLIED BASE PLY:											



TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER Insulation Layer(s) Roof Cover (Notes 15 & 16) **Base Sheet** System MDP Deck (Note 1) No. (psf) Type Attach Type Fasteners Attach **Base Ply** Cap Ply (Optional) Min. 22 ga., type B, Grade One or more MB Base, 18-inch o.c. at the 3-inch side lap and 36-One or more Prelim. SBS-AA, SBS-TA S-125 33 steel or min. 2,500 psi inch o.c. at two, equally spaced, BP-AA, SBS--45.0* layers, any **Channel Venting** Note 2 or APP-TA Attached structural concrete combination staggered rows in the center of the sheet AA, SBS-TA or Base APP-TA One or more Firestone All Purpose (Optional) Min. 22 ga., type B, Grade Prelim. SBS Poly Torch 18-inch o.c. within the 4-inch torched side S-126 layers, any Fastener with MB 2" SBS-TA -45.0* 33 steel Attached Base SBS-TA combination Barbed Metal Lap Plates Min. 22 ga., type B, Grade One or more Firestone HD Fasteners One or more 33 steel; 6' spans; 5/8" Prelim. 18-inch o.c. through the batten strips at SBS-AA or SBS-S-127 SBS Poly Base with Firestone Coiled BP-AA, SBS-AA -52.5 layers, any puddle weld or #12-24 x Attached the 4-inch laps TΑ combination Metal Batten Strip or SBS-TA 1¼" HWH screw 6" o.c. Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" One or more Firestone HD Fasteners Prelim. SBS Poly Torch 12-inch o.c. through the batten strips (Optional) SBS-TA S-128 puddle weld or Traxx/5 layers, any with Firestone Batten -67.5 within the 4-inch wide torched laps SBS-TA Attached Base (polyester only) screw 6" o.c. or min. 2,500 combination Strips psi structural concrete Min. 22 ga., type B, Grade (Optional) One or more MB Base, 12-inch o.c. at the 4-inch side lap and 12-33 steel; 6' spans; Traxx/5 Prelim. One or more SBS-AA or SBS-S-129 -82.5 layers, any Channel Venting Note 2 inch o.c. at two, equally spaced, screw 6" o.c. or min. 2.500 Attached BP-AA. SBS-AA TΑ combination Base staggered rows in the center of the sheet psi structural concrete or SBS-TA Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Firestone HD Plus One or more Prelim. SBS Poly Torch 6-inch o.c. through the batten strips (Optional) SBS-TA S-130 Traxx/5 screws 6" o.c. or Fasteners with Firestone -157.5 layers, any

SELF-/	DHERING	BASE PLY:
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concrete

S-131	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld or #12-24 x 1¼" HWH screw 6" o.c.	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	SBS-SA	SBS-AA or SBS- TA	-52.5
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Coiled Metal Batten Strip

Attached

combination

Base

within the 4-inch torched laps

min. 2,500 psi structural

(polyester only)

SBS-TA



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

System	Deck	Duimeor	Base Insulation I	.ayer	Top Insulation Layer		R	oof Cover (Notes 15 & :	16)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
COLD-APPI	LIED BASE PLY; FIRE	STONE MULTI-P	PURPOSE 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*
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*



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

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

System	Deck	Duine	Base Insulation I	ayer_	Top Insulation Layer		R	oof Cover (Notes 15 & :	16)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
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*
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*



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 I	Layer	Top Insulation Layer		R	oof Cover (Notes 15 & 1	16)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
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*
COLD-APPI	LIED BASE PLY; FIRE	STONE LIQUI G A	RD MEMBRANE ADHESIVE:							
C-17	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-18	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-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. 0.5-inch ISOGARD HD, GenFlex HD ISO	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-292.5*
C-20	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*
C-21	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	I.S.O. Spray S	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-277.5*



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 I	.ayer	Top Insulation Layer		Roof Cover (Notes 15 & 16)			MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
C-22	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-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	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 PLY:								
C-24	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-25	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-26	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-27	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-28	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-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 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-30	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	Duimeou	Base Insulation L	.ayer	Top Insulation Layer		R	oof Cover (Notes 15 & 1	.6)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
C-31	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-32	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-33	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-34	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-35	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-36	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-37	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-38	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-39	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-40	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*



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

System	Deck	Primer	Base Insulation I	.ayer	Top Insulation Layer		R	oof Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
C-41	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-42	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 or S	I.S.O. Spray S	BP-AA or SBS-AA	(Optional) APP-TA	APP-TA	-97.5*
C-43	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 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-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. 0.25-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-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. 0.25-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-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	АРР-ТА	(Optional) APP-TA	АРР-ТА	-232.5*



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

System	Deck	Primer	Base Insulation I	.ayer	Top Insulation Layer		R	oof Cover (Notes 15 & 1	16)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
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) APP-TA	APP-TA	-240.0*
C-48	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	CR-20	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5*
C-49	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*
C-50	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 2.0 pcf Insulfoam EPS	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-ADHE	RING BASE PLY:									
C-51	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	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5*
C-52	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-112.5*
C-53	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-112.5*
C-54	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0*
C-55	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-247.5*
C-56	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5*



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

System	Deck	Duine	Base Insulation I	.ayer	Top Insulation Layer		R	oof Cover (Notes 15 & 1	L 6)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
C-57	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5*
C-58	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5*
C-59	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5*
C-60	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	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-400.0*
C-61	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	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5*
C-62	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5*
C-63	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5*
C-64	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5*
C-65	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5*
C-66	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	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5*



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

System	Deck	Primer	Base Insulation I	.ayer	Top Insulation Layer		R	oof Cover (Notes 15 & 1	L 6)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
C-67	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	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-400.0*
C-68	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0*
C-69	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-240.0*
C-70	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5*
C-71	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5*
C-72	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5*
C-73	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5*
C-74	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	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-400.0*
C-75	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0*
C-76	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-247.5*



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

System	Deck	Primer	Base Insulation I	.ayer	Top Insulation Layer		R	oof Cover (Notes 15 & 1	L 6)	MDP
No.	(Note 1)	Primer	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
C-77	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5*
C-78	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5*
C-79	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5*
C-80	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5*
C-81	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-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5*
C-82	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	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-112.5*
C-83	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-112.5*
C-84	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	SBS-SA	(Optional) SBS-AA	SBS-AA	-247.5*
C-85	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	SBS-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 Roof Cover (Notes 15 & 16) Deck System Primer MDP (psf) No. (Note 1) Base Ply Ply Cap Ply COLD-APPLIED BASE PLY; FIRESTONE MULTI-PURPOSE MB COLD ADHESIVE: ASTM D41 BP-CA or SBS-CA (Optional) BP-CA SBS-CA -67.5* C-86 Min. 2,500 psi structural concrete ASTM D41 APP-CA APP-CA -127.5* C-87 Min. 2,500 psi structural concrete None -142.5* C-88 Min. 2,500 psi structural concrete None SBS-CA None SBS-CA C-89 ASTM D41 SBS-CA (excluding SBS Smooth) SBS-CA -180.0* Min. 2,500 psi structural concrete None ASTM D41 APP-CA -225.0* C-90 Min. 2,500 psi structural concrete SBS-CA None COLD-APPLIED BASE PLY; FIRESTONE LIQUIGARD MEMBRANE ADHESIVE: BP-CA2 SBS-CA2 -337.5* C-91 Min. 2,500 psi structural concrete None (Optional) BP-CA2 or SBS-CA2 SBS-CA2 C-92 Min. 2,500 psi structural concrete None MB Base in LiquiGard or SBS-CA2 (Optional) BP-CA2 or SBS-CA2 -495.0* ASPHALT AND/OR TORCH APPLIED BASE PLY: ASTM D41 C-93 Min. 2,500 psi structural concrete APP-TA APP-TA -312.5* (Optional) APP-TA C-94 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-95 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-ADHERING BASE PLY: C-96 Min. 2,500 psi structural concrete ASTM D41 SBS-SA (Optional) SBS-AA SBS-AA -202.5* C-97 ASTM D41 SBS-SA (Optional) SBS-TA SBS-TA -232.5* Min. 2,500 psi structural concrete



TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION. BONDED ROOF COVER **Base Insulation Layer** Coverboard Roof Cover (Notes 15 & 16) System Deck (Note MDP Lightweight Concrete (Note 14) No. (psf) Type Attach Type Attach Base Ply Ply Cap Ply COLD-APPLIED BASE PLY: FIRESTONE MULTI-PURPOSE MB COLD ADHESIVE: Minimum 200 psi, minimum 2-inch thick Min. 0.25-inch Dens Deck SBS-CA, Min. 2.500 Approved cellular LWIC. Note: To qualify Prime, SECUROCK Gypsum-(Optional) SBS-SBS-CA2, I.S.O. LWC-1 psi structural the LWIC under this assembly, the subject Fiber Roof Board or min. 0.5-N/A SBS-CA CA, SBS-CA2, -76.5* None FIX II SBS-AA or fastener shall achieve an average inch ISOGARD HD. GenFlex SBS-AA, SBS-TA concrete SBS-TA withdrawal of 40 lbf per TAS 105. HD ISO Min. 2.500 I.S.O. I.S.O. BP-CA. SBS-Min. 300 psi Celcore MF Cellular Concrete (Optional) One or more Min. 1-inch ISO 95+ GL, LWC-2 Twin CA or APP--67.5* psi structural with Celcore HS Rheology Modifying Twin layers, min. 0.5-inch base None APP-CA GenFlex ISO Insulation Pack insulation Pack concrete Admixture; Celcore PVA Curing Compound CA Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. (Optional) One or more I.S.O. Min. 1-inch ISO 95+ GL, (Optional) SBS-LWC-3 SBS-CA SBS-CA -82.5* psi structural with Celcore HS Rheology Modifying Twin layers, min. 0.5-inch base Twin GenFlex ISO Insulation CA concrete Admixture: Celcore PVA Curing Compound Pack insulation Pack Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. (Optional) One or more I.S.O. BP-CA, SBS-Min. 1-inch RESISTA, GenFlex LWC-4 psi structural with Celcore HS Rheology Modifying Twin layers, min. 0.5-inch base Twin CA or APP-None APP-CA -52.5* Coated Glass Facer Admixture; Celcore PVA Curing Compound concrete Pack insulation Pack Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. (Optional) One or more I.S.O. Min. 1-inch ISO 95+ GL. (Optional) SBS-SBS-CA -52.5* LWC-5 psi structural with Celcore HS Rheology Modifying Twin layers, min. 0.5-inch base Twin SBS-CA GenFlex ISO Insulation CA concrete Admixture; Celcore PVA Curing Compound Pack insulation Pack (Optional) Min. 0.5-inch ISO Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. Min. 2-inch ISOGARD HD I.S.O. BP-CA. SBS-95+ GL, GenFlex ISO LWC-6 psi structural Twin Twin CA or APP-APP-CA -67.5* with Celcore HS Rheology Modifying Composite, GenFlex HD None Insulation or RESISTA, concrete Admixture; Celcore PVA Curing Compound Pack Composite ISO Pack CA GenFlex Coated Glass Facer (Optional) Min. 0.5-inch ISO Min. 2.500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. Min. 2-inch ISOGARD HD I.S.O. 95+ GL, GenFlex ISO (Optional) SBS-SBS-CA -67.5* LWC-7 psi structural with Celcore HS Rheology Modifying Twin Composite, GenFlex HD Twin SBS-CA Insulation or RESISTA, CA concrete Admixture; Celcore PVA Curing Compound Pack Composite ISO Pack GenFlex Coated Glass Facer Min. 1.5-inch ISO 95+ GL, Optional one or more layers, I.S.O. I.S.O. BP-CA. SBS-Min. 2.500 Min. 300 psi Celcore MF Cellular Concrete GenFlex ISO Insulation or min. 0.5-inch base insulation; LWC-8 with Celcore HS Rheology Modifying Twin Twin CA or APP-None APP-CA -67.5* psi structural RESISTA, GenFlex Coated Min. 0.5-inch ISOGARD HD, Admixture; Celcore PVA Curing Compound Pack CA concrete Pack Glass Facer GenFlex HD ISO Min. 1.5-inch ISO 95+ GL, Optional one or more layers, I.S.O. I.S.O. Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete GenFlex ISO Insulation or min. 0.5-inch base insulation; (Optional) SBS-LWC-9 Twin SBS-CA SBS-CA -67.5* psi structural with Celcore HS Rheology Modifying Twin Min. 0.5-inch ISOGARD HD, RESISTA, GenFlex Coated CA concrete Admixture; Celcore PVA Curing Compound Pack Pack GenFlex HD ISO Glass Facer



System	Deck (Note	Lighturaight Congrets (Note 14)	Base Insulation Layer		Coverboard		Roof	Cover (Notes 15 &	16)	MDP
No.	1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
LWC-10	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 per TAS 105.	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-11	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-12	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-13	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-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	SBS-CA	None	SBS-CA	-82.5*
LWC-15	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-16	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*
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. 1.5-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-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. 1.5-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-19	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*



System	Deck (Note	tisks with Comment (No. 44)	Base Insulation Layer		Coverboard		Roof	Cover (Notes 15 &	16)	MDP
No.	1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
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	(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-21	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-22	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-23	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 per TAS 105.	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-24	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-25	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-26	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-27	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-28	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*



TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver** Coverboard System Deck (Note MDP Lightweight Concrete (Note 14) No. 1) (psf) Attach Type Attach Base Plv Plv Cap Plv Type Minimum 200 psi, minimum 2-inch thick SBS-CA, Min. 2,500 Approved cellular LWIC. Note: To qualify Min. 0.25-inch Dens Deck (Optional) SBS-SBS-CA2. LWC-29 the LWIC under this assembly, the subject N/A CA, SBS-CA2, -76.5* psi structural Prime, SECUROCK Gypsum-CR-20 None SBS-CA SBS-AA or SBS-AA, SBS-TA concrete fastener shall achieve an average Fiber Roof Board SBS-TA withdrawal of 40 lbf per TAS 105. SBS-CA, Min. 2.500 Min. 277 psi Celcore MF Cellular Concrete Min. 0.25-inch Dens Deck (Optional) SBS-SBS-CA2, LWC-30 N/A psi structural with Celcore HS Rheology Modifying Prime, SECUROCK Gypsum-CR-20 None SBS-CA CA. SBS-CA2. -106.0* SBS-AA or concrete Admixture; Celcore PVA Curing Compound Fiber Roof Board SBS-AA, SBS-TA SBS-TA SBS-CA, Min. 2.500 Min. 0.25-inch Dens Deck (Optional) SBS-Min. 415 psi Elastizell Lightweight SBS-CA2, -144.5* LWC-31 psi structural Prime, SECUROCK Gypsum-CR-20 None N/A SBS-CA CA. SBS-CA2. Insulating Concrete with Zell-Crete Fibers SBS-AA or Fiber Roof Board SBS-AA, SBS-TA concrete SBS-TA COLD-APPLIED BASE PLY; FIRESTONE LIQUIGARD MEMBRANE ADHESIVE: Min. 1-inch ISO 95+ GL. Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. (Optional) One or more I.S.O. BP-CA2, (Optional) BP-GenFlex ISO Insulation or with Celcore HS Rheology Modifying LWC-32 SBS-CA2 -217.5* psi structural Twin layers, min. 0.5-inch base Twin RESISTA, GenFlex Coated SBS-CA2 CA2, SBS-CA2 concrete Admixture; Celcore PVA Curing Compound Pack insulation Pack Glass Facer (Optional) Min. 0.5-inch ISO Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. Min. 2-inch ISOGARD HD I.S.O. 95+ GL, GenFlex ISO BP-CA2. (Optional) BP-LWC-33 psi structural with Celcore HS Rheology Modifying Twin Composite, GenFlex HD Twin SBS-CA2 -217.5* Insulation or RESISTA. SBS-CA2 CA2. SBS-CA2 concrete Admixture; Celcore PVA Curing Compound Pack Composite ISO Pack GenFlex Coated Glass Facer Min. 1.5-inch ISO 95+ GL. Optional one or more layers, Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. I.S.O. GenFlex ISO Insulation or BP-CA2. min. 0.5-inch base insulation: (Optional) BP-LWC-34 SBS-CA2 -217.5* psi structural with Celcore HS Rheology Modifying Twin Twin RESISTA, GenFlex Coated Min. 0.5-inch ISOGARD HD. SBS-CA2 CA2, SBS-CA2 Pack Admixture; Celcore PVA Curing Compound Pack concrete GenFlex HD ISO Glass Facer Optional one or more layers, Min. 1.5-inch ISO 95+ GL, Min. 2.500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. min. 0.5-inch base insulation: I.S.O. GenFlex ISO Insulation or BP-CA2, (Optional) BP-LWC-35 psi structural with Celcore HS Rheology Modifying Twin Min. 0.25-inch Dens Deck Twin SBS-CA2 -217.5* RESISTA, GenFlex Coated SBS-CA2 CA2, SBS-CA2 Admixture; Celcore PVA Curing Compound Prime or SECUROCK Gypsum Pack concrete Pack Glass Facer Fiber Roof Board Min. 2.500 Min. 300 psi Celcore MF Cellular Concrete (Optional) One or more Min. 1-inch ISO 95+ GL, I.S.O. I.S.O. BP-CA2, (Optional) BP-SBS-CA2 LWC-36 psi structural with Celcore HS Rheology Modifying lavers, min. 0.5-inch base -187.5* GenFlex ISO Insulation Stick Stick SBS-CA2 CA2, SBS-CA2 Admixture: Celcore PVA Curing Compound insulation concrete



TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver** Coverboard System Deck (Note MDP Lightweight Concrete (Note 14) No. 1) (psf) Attach Attach Base Plv Plv Cap Plv Type Type Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete (Optional) One or more Min. 1.5-inch RESISTA. I.S.O. I.S.O. BP-CA2. (Optional) BP-LWC-37 SBS-CA2 -187.5* psi structural with Celcore HS Rheology Modifying layers, min. 0.5-inch base GenFlex Coated Glass Facer Stick Stick SBS-CA2 CA2, SBS-CA2 Admixture; Celcore PVA Curing Compound insulation concrete (Optional) Min. 0.5-inch ISO Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete Min. 2-inch ISOGARD HD 95+ GL, GenFlex ISO I.S.O. I.S.O. BP-CA2, (Optional) BP-LWC-38 psi structural with Celcore HS Rheology Modifying Composite, GenFlex HD SBS-CA2 -187.5* Stick Stick SBS-CA2 CA2, SBS-CA2 Insulation or RESISTA, concrete Admixture; Celcore PVA Curing Compound Composite ISO GenFlex Coated Glass Facer Min. 1.5-inch ISO 95+ GL, Optional one or more layers, Min. 2.500 Min. 300 psi Celcore MF Cellular Concrete GenFlex ISO Insulation or I.S.O. min. 0.5-inch base insulation; I.S.O. BP-CA2, (Optional) BP-LWC-39 SBS-CA2 -187.5* psi structural with Celcore HS Rheology Modifying Stick Min. 0.5-inch ISOGARD HD, Stick SBS-CA2 CA2, SBS-CA2 RESISTA, GenFlex Coated Admixture; Celcore PVA Curing Compound concrete Glass Facer GenFlex HD ISO Optional one or more layers, Min. 1.5-inch ISO 95+ GL. Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete min. 0.5-inch base insulation; GenFlex ISO Insulation or I.S.O. I.S.O. BP-CA2. (Optional) BP-LWC-40 psi structural with Celcore HS Rheology Modifying Min. 0.25-inch Dens Deck SBS-CA2 -187.5* RESISTA. GenFlex Coated Stick Stick SBS-CA2 CA2, SBS-CA2 Admixture; Celcore PVA Curing Compound Prime or SECUROCK Gypsum concrete Glass Facer Fiber Roof Board ASPHALT AND/OR TORCH APPLIED BASE PLY: Minimum 200 psi, minimum 2-inch thick Min. 2,500 Approved cellular LWIC. Note: To qualify Min. 0.25-inch Dens Deck BP-AA, SBS-(Optional) BP-SBS-AA, I.S.O. Prime, SECUROCK Gypsum-LWC-41 the LWIC under this assembly, the subject N/A AA, SBS-TA, SBS-TA, -76.5* psi structural None AA, SBS-AA, FIX II concrete fastener shall achieve an average Fiber Roof Board APP-TA SBS-TA. APP-TA APP-TA withdrawal of 40 lbf per TAS 105. Optional one or more lavers. Min. 1.5-inch ISO 95+ GL, Min. 2.500 I.S.O. I.S.O. Min. 300 psi Celcore MF Cellular Concrete min. 0.5-inch base insulation: GenFlex ISO Insulation or LWC-42 psi structural with Celcore HS Rheology Modifying Twin Min. 0.25-inch Dens Deck Twin SBS-TA None SBS-TA -127.5* RESISTA, GenFlex Coated Admixture; Celcore PVA Curing Compound Prime or SECUROCK Gypsum concrete Pack Pack Glass Facer Fiber Roof Board Optional one or more layers, Min. 1.5-inch ISO 95+ GL, I.S.O. I.S.O. Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete min. 0.5-inch base insulation; GenFlex ISO Insulation or BP-AA, SBS-(Optional) BP-LWC-43 SBS-AA -157.5* psi structural with Celcore HS Rheology Modifying Twin Min. 0.25-inch Dens Deck Twin RESISTA, GenFlex Coated AΑ AA, SBS-AA concrete Admixture; Celcore PVA Curing Compound Pack Prime or SECUROCK Gypsum Pack Glass Facer Fiber Roof Board Optional one or more layers, Min. 1.5-inch ISO 95+ GL, Min. 2.500 I.S.O. min. 0.5-inch base insulation: I.S.O. Min. 300 psi Celcore MF Cellular Concrete GenFlex ISO Insulation or LWC-44 psi structural with Celcore HS Rheology Modifying Twin Min. 0.25-inch Dens Deck Twin APP-TA APP-TA -217.5* None RESISTA, GenFlex Coated concrete Admixture; Celcore PVA Curing Compound Pack Prime or SECUROCK Gypsum Pack Glass Facer Fiber Roof Board

Evaluation Report F47310.12.13-1-R4 for **FL16722-R3**Revision 4: 09/30/2017

Appendix 1, Page 42 of 72



System	Deck (Note	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof	Cover (Notes 15 &	16)	MDP
No.	1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
LWC-45	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 per TAS 105.	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-46	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-47	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*
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. 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-49	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-50	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-51	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 per TAS 105.	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-52	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-53	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*

Appendix 1, Page 43 of 72



TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver** Coverboard System Deck (Note MDP Lightweight Concrete (Note 14) No. 1) (psf) Attach Type Attach Base Plv Plv Cap Plv Type Min. 2,500 Min. 200 psi Elastizell, Celcore or Min. 1.5-inch ISO 95+ GL, (Optional) BP-Hot LWC-54 CR-20 BP-AA APP-TA -97.5* psi structural Min. 0.5-inch FiberTop Mearlcrete GenFlex ISO Insulation Asphalt AA concrete Minimum 200 psi, minimum 2-inch thick Min. 2,500 Approved cellular LWIC. Note: To qualify Min. 0.25-inch Dens Deck BP-AA, SBS-(Optional) BP-SBS-AA, LWC-55 psi structural the LWIC under this assembly, the subject Prime, SECUROCK Gypsum-CR-20 N/A AA, SBS-TA, AA, SBS-AA, SBS-TA, -76.5* None concrete fastener shall achieve an average Fiber Roof Board APP-TA SBS-TA, APP-TA APP-TA withdrawal of 40 lbf per TAS 105. Min. 2,500 Min. 277 psi Celcore MF Cellular Concrete Min. 0.25-inch Dens Deck BP-AA, SBS-(Optional) BP-SBS-AA, LWC-56 psi structural with Celcore HS Rheology Modifying Prime, SECUROCK Gypsum-CR-20 N/A AA, SBS-TA, AA, SBS-AA, SBS-TA, -106.0* None concrete Admixture; Celcore PVA Curing Compound Fiber Roof Board APP-TA SBS-TA, APP-TA APP-TA Min. 2,500 Min. 0.25-inch Dens Deck BP-AA, SBS-(Optional) BP-SBS-AA, Min. 415 psi Elastizell Lightweight LWC-57 psi structural Prime, SECUROCK Gypsum-CR-20 None N/A AA, SBS-TA, AA, SBS-AA, SBS-TA, -144.5* Insulating Concrete with Zell-Crete Fibers concrete Fiber Roof Board APP-TA SBS-TA, APP-TA APP-TA **SELF-ADHERING BASE PLY:** Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete (Optional) SBS-SBS-AA. Min. 1.5-inch ISO 95+ GL. I.S.O. LWC-58 psi structural with Celcore HS Rheology Modifying None N/A SBS-SA AA, SBS-TA or SBS-TA or -177.5* GenFlex ISO Insulation FIX II concrete Admixture; Celcore PVA Curing Compound APP-TA APP-TA Minimum 200 psi, minimum 2-inch thick Min. 0.25-inch Dens Deck Min. 2,500 Approved cellular LWIC. Note: To qualify Prime, SECUROCK Gypsum-(Optional) SBS-SBS-AA, I.S.O. Fiber Roof Board or min. 0.5-LWC-59 the LWIC under this assembly, the subject N/A SBS-SA AA, SBS-TA or SBS-TA or -76.5* psi structural None FIX II fastener shall achieve an average inch ISOGARD HD. GenFlex concrete APP-TA APP-TA withdrawal of 40 lbf per TAS 105. HD ISO Min. 0.25-inch Dens Deck Min. 2.500 Min. 277 psi Celcore MF Cellular Concrete Prime, SECUROCK Gypsum-(Optional) SBS-SBS-AA. I.S.O. LWC-60 psi structural with Celcore HS Rheology Modifying Fiber Roof Board or min. 0.5-N/A SBS-SA AA, SBS-TA or SBS-TA or -106.0* None FIX II Admixture; Celcore PVA Curing Compound inch ISOGARD HD. GenFlex APP-TA APP-TA concrete HD ISO Min. 2.500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. I.S.O. (Optional) One or more Min. 1-inch ISO 95+ GL, (Optional) APP--112.5* LWC-61 SBS-SA APP-TA psi structural with Celcore HS Rheology Modifying Twin layers, min. 0.5-inch base Twin GenFlex ISO Insulation TA concrete Admixture; Celcore PVA Curing Compound Pack insulation Pack Min. 2,500 Min. 300 psi Celcore MF Cellular Concrete I.S.O. I.S.O. (Optional) One or more Min. 1-inch ISO 95+ GL, (Optional) SBS-LWC-62 SBS-SA SBS-TA -210.0* psi structural with Celcore HS Rheology Modifying Twin layers, min. 0.5-inch base Twin GenFlex ISO Insulation TΑ

Admixture: Celcore PVA Curing Compound

concrete

Pack

insulation

Pack



System	Deck (Note	Liebburgieht Congress (Nicke 44)	Base Insulation Layer		Coverboard		Roo	f Cover (Notes 15 &	16)	MDP
No.	1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
LWC-63	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) SBS- AA	SBS-AA	-217.5*
LWC-64	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- AA	SBS-AA	-187.5*
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 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) APP- TA	APP-TA	-187.5*
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 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-67	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- AA	SBS-AA	-187.5*
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	(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-69	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-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. 1.5-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- AA	SBS-AA	-187.5*
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	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-72	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*



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

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

System	Deck (Note	Linktoninkt Commute (Nate 14)	Base Insulation Layer	·	Coverboard		Roo	f Cover (Notes 15 &	16)	MDP
No.	1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
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	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) APP- TA	APP-TA	-45.0*
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. 0.25-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-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. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-SA	(Optional) SBS- AA	SBS-AA	-187.5*
LWC-76	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 per TAS 105.	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-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5*
LWC-77	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-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0*
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. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	None	N/A	SBS-SA	(Optional) SBS- AA	SBS-AA	-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. 0.5-inch ISOGARD HD, GenFlex HD ISO	I.S.O. Stick	None	N/A	SBS-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-172.5*
LWC-80	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	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-177.5*
LWC-81	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	SBS-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0*

Appendix 1, Page 46 of 72



System	Deck (Note	Linktoninkt Commune (Nate 14)	Base Insulation Layer		Coverboard		Roof	Cover (Notes 15 &	16)	MDP
No.	1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
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. 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-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. 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-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. 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- AA	SBS-AA	-187.5*
LWC-85	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	APP-TA	-187.5*
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	(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-87	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-88	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- 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 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	APP-TA	-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	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*



System	Deck (Note	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof	Cover (Notes 15 &	16)	MDP
No.	1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
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	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- AA	SBS-AA	-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	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) APP- TA	АРР-ТА	-45.0*
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. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-SA	(Optional) SBS- TA	SBS-TA	-82.5*
LWC-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. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick	SBS-SA	(Optional) SBS- AA	SBS-AA	-187.5*
LWC-95	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 per TAS 105.	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-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5*
LWC-96	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-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0*
LWC-97	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-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-144.5*
LWC-98	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-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0*



System	Deck (Note	Linksoninks Commune (Nate 14)	Base Insulation Layer	r	Coverboard		Roo	Cover (Notes 15 &	16)	MDP
No.	1)	Lightweight Concrete (Note 14)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
LWC-99	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	SBS-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-180.0*
LWC-100	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	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-210.0*
LWC-101	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	SBS-SA	(Optional) SBS- AA	SBS-AA	-222.5*
LWC-102	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	SBS-SA	(Optional) SBS- TA or APP-TA	SBS-TA or APP-TA	-210.0*
LWC-103	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	SBS-SA	(Optional) SBS- AA	SBS-AA	-240.0*
LWC-104	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 per TAS 105.	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum- Fiber Roof Board	CR-20	None	N/A	SBS-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5*
LWC-105	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-SA	(Optional) SBS- AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0*
LWC-106	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-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

System	Deck*	Lightweight Concrete		Anchor Sheet			Insulation		Roof C	over (Notes 15 8	k 16)	MDP
No.	(Note 1)	(Note 14)	Туре	Fasteners	Attach	Base	Тор	Attach	Base Ply	Ply	Cap Ply	(psf)
LWC-107	Min. 22 ga., type BV steel at 5 ft spans or 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 52 lbf per TAS 105.	MB Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Firestone Two Piece Impact Nail or Firestone LWC Base Ply Fasteners	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation, RESISTA, GenFlex Coated Glass Facer	(Optional) Optional additional layers base insulation, flat or tapered; Min. 0.5- inch ISOGARD HD, GenFlex HD ISO or Min. 0.25-inch Dens Deck Prime	I.S.O. FIX II, I.S.O. Stick, I.S.O. Twin Pack	BP-CA, SBS-CA, APP-CA	None	SBS-CA, APP-CA	-45.0*
LWC-108	Min. 22 ga., type BV steel at 5 ft spans or 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 52 lbf per TAS 105.	MB Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Firestone Two Piece Impact Nail or Firestone LWC Base Ply Fasteners	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1-inch ISO 95+ GL, GenFlex ISO Insulation, RESISTA, GenFlex Coated Glass Facer	(Optional) Optional additional layers base insulation, flat or tapered; Min. 0.25-inch Dens Deck Prime	I.S.O. FIX II, I.S.O. Stick, I.S.O. Twin Pack	SBS-SA	None	SBS- AA, SBS-TA, APP-TA	-45.0*
LWC-109	Min. 22 ga., type BV steel at 5 ft spans or 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 68 lbf per TAS 105.	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 or Trufast FM-90	9-inch o.c. at the 3-inch side lap and 9-inch o.c. at 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 Fiber Top or 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	-45.0
LWC-110	Min. 22 ga., type BV steel at 5 ft spans or 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 68 lbf per TAS 105.	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 or Trufast FM-90	12-inch o.c. at the 3-inch side lap and 12-inch o.c. at three, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Min. 0.5-inch Fiber Top or 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	-45.0

^{*} For steel deck application where specific deck attachment is not referenced, 'as-tested' attachment was not less than 5/8" puddle welds with weld-washers or Tek/5 screws spaced 6" o.c. Note 1.



			EIGHT CONCRETE DECKS – NEW : MECHANICALLY ATTACHED BA					
System				Base Sheet		Roof Cover (No	tes 15 & 16)	MDP
No.	Deck* (Note 1)	Lightweight Concrete (Note 14)	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)
COLD-APPLI	ED BASE PLY; FIRESTONE I	MULTI-PURPOSE MB COLD ADHESIVE:						
LWC-111	Min. 22 ga. steel; 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-112	Min. 22 ga. steel; 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-113	Min. 22 ga. steel; 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-114	Min. 22 ga. steel; 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 per TAS 105.	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-APPLI	ED BASE PLY; FIRESTONE L				<u> </u>			
LWC-115	Min. 22 ga. steel; 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-116	Min. 22 ga. steel; 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 per TAS 105.	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 AN	DOOR TORCH APPLIED BA	SE PLY:						
LWC-117	Min. 22 ga. steel; 5 ft spans or Min. 2,500 psi structural concrete	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 70 lbf per TAS 105.	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 or Trufast FM-90	9-inch o.c. at the 2-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	-45.0



TABLE 4C-1: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION or REROOF (Tear-Off)

SYSTEM TYPE E: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System	Deck* (Note 1)	Lightweight Consents (Note 14)		Base Sheet		Roof Cover (No	tes 15 & 16)	MDP
No.	Deck* (Note 1)	Lightweight Concrete (Note 14)	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)
LWC-118	Min. 22 ga. steel; 5 ft spans or Min. 2,500 psi structural concrete	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 70 lbf per TAS 105.	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 or Trufast FM-90	12-inch o.c. at the 2-inch side lap and 12-inch o.c. at three, 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
LWC-119	Min. 22 ga. steel; 5 ft spans or Min. 2,500 psi structural concrete	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 70 lbf per TAS 105.	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 9-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
LWC-120	Min. 22 ga. steel; 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- TA	SBS-TA	-45.0
LWC-121	Min. 22 ga. steel; 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-TA or APP- TA	SBS-TA or APP-TA	-45.0
LWC-122	Min. 22 ga. steel; 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-TA or APP- TA	SBS-TA or APP-TA	-45.0
LWC-123	Min. 22 ga. steel; 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-TA or APP- TA	SBS-TA or APP-TA	-45.0
LWC-124	Min. 22 ga. steel; 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 per TAS 105.	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-125	Min. 22 ga. steel; 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



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

System	Deck* (Note 1)	Lightureight Congrets (Note 14)		Base Sheet		Roof Cover (No	tes 15 & 16)	MDP
No.	Deck* (Note 1)	Lightweight Concrete (Note 14)	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)
LWC-126	Min. 22 ga. steel; 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-127	Min. 22 ga. steel; 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 per TAS 105.	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-128	Min. 22 ga., type B steel; 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-129	Min. 22 ga., type B vented steel; 6 ft spans or Min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Elastizell cellular lightweight insulating concrete	Venting Base Sheet, 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-130	Min. 22 ga., type B steel; 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
LWC-131	Min. 22 ga., type B steel; 5 ft spans or Min. 2,500 psi structural concrete	Existing, min. 350 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 106 lbf per TAS 105.	MB Base, Channel Venting Base, SBS Base, SBS Base P, SBS Premium Base, SBS Smooth, SBS PolyBase	Firestone LWC Base Ply Fasteners (1.7-inch)	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	One or more SBS-TA	SBS-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

System	Deck* (Note 1)	Lightweight Concrete (Note 14)		Base Sheet		Roof Cover (No	tes 15 & 16)	MDP
No.	Deck* (Note 1)	Lightweight Concrete (Note 14)	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)
LWC-132	Min. 22 ga., type B steel; 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	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	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) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
LWC-133	Min. 22 ga. steel; 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 per TAS 105.	MB Base, Channel Venting Base, Venting Base Sheet, 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) One or more BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-60.0
LWC-134	Min. 22 ga., type B vented steel; 6 ft spans or Min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Concrecel cellular lightweight insulating concrete	Venting Base Sheet, 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)	-67.5
LWC-135	Min. 22 ga. steel; 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 95 lbf per TAS 105.	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 or Trufast FM-90	7.5-inch o.c. at the 3-inch side lap and 7.5-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	-75.0
LWC-136	Min. 22 ga. steel; 5 ft spans or Min. 2,500 psi structural concrete	Concrecel Bonding Agent is applied to the deck at a rate of 600 ft²/gal. Min. 300 psi, min. 2.25-inch thick Concrecel cellular lightweight insulating concrete followed by Concrecel Curing Compound at a rate of 600 ft²/gal	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Base-P, SBS PolyBase, SBS Smooth, SBS Premium Base, APP 160, APP 160-P	OMG CR 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) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5

^{*} For steel deck application where specific deck attachment is not referenced, 'as-tested' attachment was not less than 5/8" puddle welds with weld-washers or Tek/5 screws spaced 6" o.c. Note 1.



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 & l6)	MDP (psf)
INO.	(Note 1)	Туре	Attach		(Note 14)	Туре	Fasteners	Attach	Base Ply	Cap Ply	(þsi)
LWC-137	Min. 22 ga., type B steel; 6 ft spans	Min. 5/8- inch SECUROCK Gypsum- Fiber Roof Board	Fasteners per Note 2 at 1 per 1.6 ft ² per Note 21	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-138	Min. 22 ga., type B steel; 6 ft spans	Min. 5/8- inch SECUROCK Gypsum- Fiber Roof Board	Fasteners per Note 2 at 1 per 1.6 ft ² per Note 21	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-139	Min. 22 ga., type B steel; 6 ft spans	Min. 5/8- inch SECUROCK Gypsum- Fiber Roof Board	Fasteners per Note 2 at 1 per 1.6 ft ² per Note 21	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	APP-TA	-60.0

^{*} For steel deck application where specific deck attachment is not referenced, 'as-tested' attachment was not less than 5/8" puddle welds with weld-washers or Tek/5 screws spaced 6" o.c. Note 1.



	TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER											
System	Deck	Base Insulation Layer		Coverboard			Roof Cover (Notes 15 & 16)					
No.	(Note 1)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(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	SBS-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			Root	f Cover (Notes 15 &	16)	MDP
No.	(Note 1)	Туре	Fasteners	Attach	Base	Тор	Attach	Base Ply	Ply	Cap Ply	(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	SBS-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) MDP										
No.	(Note 1)	Туре	Fasteners	Attach (Note 21)	Туре	Attach	Base Ply	Ply	Cap Ply	(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 ²	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		D FIBER DECKS – NEW CONSTRUCT HANICALLY ATTACHED INSULATION	•	` '	ECOVER		
6	Deck			Top Insulation Layer			Roof Cover (Notes 15 &	16)	***
System No.	(Note 1)	Base Insulation Layer	Туре	Fasteners	Attach (Note 21)	Base Ply	Ply	Cap Ply	MDP (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 ²	SBS-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 Insulation Layer(s) Base Sheet Roof Cover (Notes 15 &									MDP		
No.	(Note 1)	Туре	Attach	Туре	Fasteners	Attach	Base Ply	Cap Ply	(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*		



TABLE 5F: CEMENTITOUS WOOD FIBER 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 (Not	es 15 & 16)	MDP
No.	(Note 1)	Туре	Fasteners Attach		Base Ply	Cap Ply	(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



				TABLE 6A: GYPSUM DECKS – REROTYPE A-1: BONDED INSULATION,	•	VER			
System		Base Insulation L	.ayer	Top Insulation Lay	ver		Roof Cover (Notes 15 & 1	16)	MDP
No.	Deck (Note 1)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
COLD-APPLI	ED BASE PLY; FIRESTONE MULTI-	PURPOSE 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 AN	DOOR TORCH APPLIED BASE PLY	:							
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. 2.0 pcf Insulfoam EPS	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	ING BASE PLY:								



TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF)

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

				· · · · · · · · · · · · · · · · · · ·					
System	Deck (Note 1)	Base Insulation L	ayer	Top Insulation Lay	er		Roof Cover (Notes 15 & 1	16)	MDP
No.	Deck (Note 1)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
G-11	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	SBS-SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5*
G-12	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	SBS-SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5*
G-13	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	SBS-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. Stick	(Optional) One or more layers base insulation	I.S.O. Stick	SBS-SA	(Optional) SBS-AA, SBS- TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-135.0*
G-15	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	SBS-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	CR-20	(Optional) One or more layers base insulation	CR-20	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0*
G-17	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	SBS-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

System	Deck		Anchor Sheet			Insulation		Re	oof Cover (Notes 15 & 1	16)	MDP
No.	(Note 1)	Туре	Fasteners	Attach	Base	Тор	Attach	Base Ply	Ply	Cap Ply	(psf)
G-18	Existing poured gypsum or gypsum plank	MB Base, Channel Venting Base (Note A below)	Firestone Polymer Fastener and Polymer Fastener Insulation Plates (Testing Application Standard TAS 105 MCRF ≥ 114 lbf)	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) 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*
G-19	Existing poured gypsum or gypsum plank	MB Base, Channel Venting Base, SBS Base, SBS Base-P, SBS Premium Base, SBS PolyBase, SBS Smooth (Note A below)	Firestone Two Piece Impact Nail (Testing Application Standard TAS 105 MCRF ≥ 105 lbf)	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*
G-20	Existing poured gypsum or gypsum plank	MB Base, Channel Venting Base, SBS Base, SBS Base-P, SBS Premium Base, SBS PolyBase, SBS Smooth (Note A below)	Firestone Two Piece Impact Nail (Testing Application Standard TAS 105 MCRF ≥ 105 lbf)	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*
G-21	Existing poured gypsum or gypsum plank	MB Base, Channel Venting Base	Firestone Two Piece Impact Nail (Testing Application Standard TAS 105 MCRF ≥ 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) Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	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	-67.5

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.



		S	SYSTEM TYPE B: MECHAN		E 6C: GYPSUM DECKS – REROOF (TEAR- CHED BASE INSULATION, BONDED TO	•	ON, BONDED ROOF	COVER		
	Deck		Base Insulation Layer		Top Insulation Layer		Ro	of Cover (Notes 15 & 16)		***
System No.	(Note 1)	Туре	Fasteners	Attach (Note 21)	Туре	Attach	Base Ply	Ply	Cap Ply	MDP (psf)
G-22	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISO 95+ GL, GenFlex ISO Insulation	Firestone Polymer Fastener and Polymer Fastener Insulation Plates (Testing Application Standard TAS 105 MCRF ≥ 180 lbf)	1 per 2 ft²	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									
Sustana	Deck			Top Insulation Layer			Roof Cover (Notes 15 & 16)	MDP	
System No.	(Note 1)	Base Insulation Layer	Туре	Fasteners	Fasteners Attach (Note 21)		Ply	Cap Ply	(psf)	
G-23	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 (Testing Application Standard TAS 105 MCRF <u>></u> 180 lbf)	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	Deck	Insulation L	.ayer(s)		Base Shee	et	Roof Cover (Note	s 15 & 16)	MDP		
No.	(Note 1)	Туре	Attach	Туре	Fasteners	Attach	Base Ply	Cap Ply	(psf)		
G-24	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 (Testing Application Standard TAS 105 MCRF ≥ 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*		



or APP-TA

-67.5

BP-AA, SBS-AA, SBS-TA

or APP-TA

TABLE 6F: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER **Base Sheet** Roof Cover (Notes 15 & 16) Deck System MDP No. (Note 1) (psf) Type Fasteners Attach Base Ply Cap Ply Firestone Polymer Fastener and Existing **Polymer Fastener Insulation** 12-inch o.c. in the 4-inch side lap and 18-(Optional) One or more poured SBS-AA, SBS-TA G-25 MB Base, Channel Venting Base Plates (Testing Application inch o.c. in two, equally spaced, staggered BP-AA, SBS-AA, SBS-TA -45.0* gypsum or or APP-TA Standard TAS 105 MCRF > 114 rows in the center of the sheet or APP-TA gypsum plank Existing MB Base, Channel Venting Base, Venting Firestone Two Piece Impact Nail 9-inch o.c. in the 2-inch side lap and 18-inch poured BP-AA, SBS-AA or SBS-SBS-AA or SBS-G-26 Base Sheet, SBS Base, SBS Base-P, SBS (Testing Application Standard TAS o.c. in two, equally spaced, staggered rows -45.0* gypsum or CA CA PolyBase, SBS Smooth, SBS Premium Base 105 MCRF > 105 lbf) in the center of the sheet gypsum plank Existing MB Base, Channel Venting Base, Venting Firestone Two Piece Impact Nail 9-inch o.c. in the 4-inch side lap and 12-inch (Optional) One or more poured SBS-AA. SBS-TA

o.c. in two, equally spaced, staggered rows

in the center of the sheet

(Testing Application Standard TAS

105 MCRF ≥ 119 lbf)

Base Sheet, SBS Base, SBS Base-P, SBS

PolyBase, SBS Smooth, SBS Premium Base

G-27

gypsum or

gypsum plank



			SYSTI	TABLE 7A: RECOVER APPLICATIONS EM TYPE A-1: BONDED INSULATION, BONDED RO	OF COVER				
System	Substrate	Base Insulation		Top Insulation Layer		R	oof Cover (Notes 15 & 16)		MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
COLD-APP	LIED BASE PLY; FIRESTONE	MULTI-PURPOSE MB COLD ADHE	SIVE:						
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 ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver Top Insulation Layer** Substrate System MDP No. (Notes 1 & 12) (psf) Attach Attach **Base Plv** Cap Plv Type Type Plv Min. 1-inch ISO 95+ GL, Additional layers of base insulation or min. 0.5-inch Existing asphalt GenFlex ISO Insulation or I.S.O. Spray S, Tapered ISO 95+ GL, GenFlex ISO Insulation or I.S.O. Spray S, BP-CA or (Optional) BP-CA, SBS-R-11 SBS-CA -67.5* RESISTA, GenFlex Coated 6-inch o.c. Tapered RESISTA, GenFlex Coated Glass Facer; Min. 6-inch o.c. BUR SBS-CA CA 0.5-inch ISOGARD HD, GenFlex HD ISO Glass Facer I.S.O. FIX II; I.S.O. FIX II; Existing granule (Optional) Additional layers of base insulation Min. 1-inch ISO 95+ GL, I.S.O. Spray S; I.S.O. Spray S; R-12 and/or min. 0.5-inch Tapered ISO 95+ GL. GenFlex APP-CA -67.5* surface modified None APP-CA GenFlex ISO Insulation I.S.O. Twin I.S.O. Twin bitumen ISO Insulation Pack Pack I.S.O. FIX II; I.S.O. FIX II; Existing granule (Optional) Additional layers of base insulation Min. 1-inch ISO 95+ GL. I.S.O. Spray S; I.S.O. Spray S; BP-CA or (Optional) BP-CA, SBS-R-13 surface modified and/or min. 0.5-inch Tapered ISO 95+ GL. GenFlex SBS-CA -82.5* GenFlex ISO Insulation I.S.O. Twin I.S.O. Twin SBS-CA CA bitumen ISO Insulation Pack Pack I.S.O. FIX II; I.S.O. FIX II; Existing granule Min. 1-inch RESISTA. (Optional) Additional layers of base insulation I.S.O. Spray S; I.S.O. Spray S; R-14 surface modified GenFlex Coated Glass and/or min. 0.5-inch Tapered RESISTA, GenFlex APP-CA None APP-CA -52.5* I.S.O. Twin I.S.O. Twin Coated Glass Facer bitumen Facer Pack Pack I.S.O. FIX II; I.S.O. FIX II; Existing granule Min. 1-inch RESISTA, (Optional) Additional layers of base insulation I.S.O. Spray S; I.S.O. Spray S; BP-CA or (Optional) BP-CA, SBS-SBS-CA -52.5* R-15 surface modified **GenFlex Coated Glass** and/or min. 0.5-inch Tapered RESISTA, GenFlex I.S.O. Twin I.S.O. Twin SBS-CA CA bitumen Facer Coated Glass Facer Pack Pack Min. 1-inch ISO 95+ GL. I.S.O. FIX II: Additional layers of base insulation or min. 0.5-inch I.S.O. FIX II: Existing granule GenFlex ISO Insulation or I.S.O. Spray S: Tapered ISO 95+ GL. GenFlex ISO Insulation or I.S.O. Spray S: R-16 surface modified APP-CA None APP-CA -67.5* Tapered RESISTA, GenFlex Coated Glass Facer; Min. RESISTA, GenFlex Coated I.S.O. Twin I.S.O. Twin bitumen Glass Facer Pack 0.5-inch ISOGARD HD. GenFlex HD ISO Pack Min. 1-inch ISO 95+ GL. I.S.O. FIX II; Additional layers of base insulation or min. 0.5-inch I.S.O. FIX II: Existing granule GenFlex ISO Insulation or I.S.O. Spray S; Tapered ISO 95+ GL, GenFlex ISO Insulation or I.S.O. Spray S; BP-CA or (Optional) BP-CA, SBS-SBS-CA R-17 surface modified -67.5* RESISTA. GenFlex Coated I.S.O. Twin Tapered RESISTA, GenFlex Coated Glass Facer; Min. I.S.O. Twin SBS-CA CA bitumen 0.5-inch ISOGARD HD, GenFlex HD ISO Glass Facer Pack Pack COLD-APPLIED BASE PLY; FIRESTONE LIQUIGARD MEMBRANE ADHESIVE: Min. 1-inch ISO 95+ GL. (Optional) Additional layers of base insulation Existing asphalt GenFlex ISO Insulation or I.S.O. Spray S, and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex I.S.O. Spray S, BP-CA2 or (Optional) BP-CA2 or R-18 SBS-CA2 -255.0* ISO Insulation or Tapered RESISTA, GenFlex Coated SBS-CA2 SBS-CA2 **BUR** RESISTA. GenFlex Coated 6-inch o.c. 6-inch o.c. Glass Facer Glass Facer



TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver Top Insulation Layer** Substrate System MDP No. (Notes 1 & 12) (psf) Attach Attach **Base Plv** Cap Plv Type Type Plv Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL, Tapered ISO 95+ GL, GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. BP-CA2 or Existing asphalt GenFlex ISO Insulation or I.S.O. Spray S, I.S.O. Spray S, (Optional) BP-CA2 or R-19 SBS-CA2 -255.0* **BUR** 6-inch o.c. SBS-CA2 SBS-CA2 RESISTA, GenFlex Coated 6-inch o.c. 0.5-inch ISOGARD HD, GenFlex HD ISO or Min. 0.25-Glass Facer inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board Min. 1-inch ISO 95+ GL, (Optional) Additional layers of base insulation Existing granule GenFlex ISO Insulation or and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex BP-CA2 or (Optional) BP-CA2 or R-20 surface modified I.S.O. FIX II I.S.O. FIX II SBS-CA2 -195.0* RESISTA, GenFlex Coated ISO Insulation or Tapered RESISTA, GenFlex Coated SBS-CA2 SBS-CA2 bitumen Glass Facer Glass Facer Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL, Tapered ISO 95+ GL, GenFlex ISO Insulation or Existing granule GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. BP-CA2 or (Optional) BP-CA2 or R-21 surface modified I.S.O. FIX II I.S.O. FIX II SBS-CA2 -195.0* RESISTA, GenFlex Coated 0.5-inch ISOGARD HD, GenFlex HD ISO or Min. 0.25-SBS-CA2 SBS-CA2 bitumen inch Dens Deck Prime or SECUROCK Gypsum Fiber Glass Facer **Roof Board** Min. 1-inch ISO 95+ GL. (Optional) Additional layers of base insulation Existing granule I.S.O. Spray S; I.S.O. Spray S: GenFlex ISO Insulation or and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex BP-CA2 or (Optional) BP-CA2 or R-22 surface modified I.S.O. Twin I.S.O. Twin SBS-CA2 -202.5* RESISTA, GenFlex Coated ISO Insulation or Tapered RESISTA, GenFlex Coated SBS-CA2 SBS-CA2 bitumen Pack Pack Glass Facer Additional layers of base insulation or min. 0.5-inch Tapered ISO 95+ GL, GenFlex ISO Insulation or Min. 1-inch ISO 95+ GL, Existing granule I.S.O. Spray S; I.S.O. Spray S; GenFlex ISO Insulation or Tapered RESISTA, GenFlex Coated Glass Facer; Min. BP-CA2 or (Optional) BP-CA2 or R-23 SBS-CA2 -202.5* surface modified I.S.O. Twin I.S.O. Twin RESISTA. GenFlex Coated 0.5-inch ISOGARD HD, GenFlex HD ISO or Min. 0.25-SBS-CA2 SBS-CA2 Pack Pack bitumen Glass Facer inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board ASPHALT AND/OR TORCH APPLIED BASE PLY: Min. 1.5-inch ISO 95+ GL, Existing asphalt R-24 Hot Asphalt Min. 0.5-inch FiberTop Hot Asphalt BP-AA APP-TA -97.5* None BUR GenFlex ISO Insulation (Optional) One or Existing asphalt Min. 1.5-inch ISO 95+ GL, BP-AA or SBS-AA or -120.0* R-25 **Hot Asphalt** Min. 0.5-inch Fiber Top **Hot Asphalt** more BP-AA, SBS-AA BUR GenFlex ISO Insulation SBS-AA APP-TA or APP-TA (Optional) One or Existing asphalt Min. 1.5-inch ISO 95+ GL, Min. 0.25-inch Dens Deck or SECUROCK Gypsum-BP-AA or SBS-AA or R-26 Hot Asphalt Hot Asphalt more BP-AA, SBS-AA -225.0* BUR GenFlex ISO Insulation Fiber Roof Board SBS-AA APP-TA or APP-TA



TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver Top Insulation Layer** Substrate System MDP No. (Notes 1 & 12) (psf) Attach Attach **Base Plv** Cap Plv Type Type Plv (Optional) One or Existing asphalt Min. 1.5-inch ISO 95+ GL, BP-AA or SBS-AA or R-27 -422.5* Hot Asphalt Min. 0.5-inch Fiber Top Hot Asphalt more BP-AA, SBS-AA BUR GenFlex ISO Insulation SBS-AA APP-TA or APP-TA (Optional) One or Min. 1.5-inch ISO 95+ GL, BP-AA or Existing asphalt SBS-AA or R-28 Hot Asphalt Min. 0.5-inch Structodek High Density Fiberboard Hot Asphalt more BP-AA, SBS-AA -520.0* GenFlex ISO Insulation SBS-AA APP-TA BUR or APP-TA (Optional) One or Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Existing asphalt Min. 1.5-inch ISO 95+ GL, I.S.O. Twin I.S.O. Twin BP-AA or SBS-AA or R-29 more BP-AA, SBS-AA -157.5* SBS-AA APP-TA BUR GenFlex ISO Insulation Pack Fiber Roof Board Pack or APP-TA Existing asphalt Min. 1.5-inch ISO 95+ GL, Min. 0.25-inch Dens Deck Prime or SECUROCK R-30 I.S.O. Stick I.S.O. Stick SBS-TA -120.0* None SBS-TA **BUR** GenFlex ISO Insulation Gypsum Fiber Roof Board (Optional) One or Existing asphalt Min. 1.5-inch ISO 95+ GL. Min. 0.25-inch Dens Deck or SECUROCK Gypsum-BP-AA or SBS-AA or R-31 I.S.O. Stick I.S.O. Stick more BP-AA, SBS-AA -120.0* BUR GenFlex ISO Insulation Fiber Roof Board SBS-AA APP-TA or APP-TA Min. 1-inch ISO 95+ GL, Additional layers of base insulation or min. 0.5-inch Existing asphalt GenFlex ISO Insulation or I.S.O. Spray S, Tapered ISO 95+ GL, GenFlex ISO Insulation or I.S.O. Spray S, BP-AA or R-32 (Optional) APP-TA APP-TA -97.5* **BUR** RESISTA, GenFlex Coated 6-inch o.c. Tapered RESISTA, GenFlex Coated Glass Facer; Min. 6-inch o.c. SBS-AA Glass Facer 0.5-inch FiberTop C or S Min. 1-inch ISO 95+ GL, Additional layers of base insulation or min. 0.5-inch Existing asphalt GenFlex ISO Insulation or I.S.O. Spray S, Tapered ISO 95+ GL. GenFlex ISO Insulation or I.S.O. Spray S, BP-AA or (Optional) One or R-33 SBS-AA -120.0* **BUR** RESISTA, GenFlex Coated 6-inch o.c. Tapered RESISTA, GenFlex Coated Glass Facer; Min. 6-inch o.c. SBS-AA more BP-AA, SBS-AA Glass Facer 0.5-inch FiberTop C or S Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL, Tapered ISO 95+ GL. GenFlex ISO Insulation or Existing asphalt GenFlex ISO Insulation or I.S.O. Spray S, I.S.O. Spray S, R-34 Tapered RESISTA, GenFlex Coated Glass Facer; Min. SBS-TA SBS-TA -127.5* (Optional) SBS-TA **BUR** RESISTA, GenFlex Coated 6-inch o.c. 6-inch o.c. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Glass Facer Fiber Roof Board Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL, Tapered ISO 95+ GL, GenFlex ISO Insulation or GenFlex ISO Insulation or I.S.O. Spray S, I.S.O. Spray S, BP-AA or (Optional) One or Existing asphalt R-35 SBS-AA -157.5* Tapered RESISTA, GenFlex Coated Glass Facer; Min. **BUR** RESISTA, GenFlex Coated 6-inch o.c. SBS-AA more BP-AA, SBS-AA 6-inch o.c. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Glass Facer

Fiber Roof Board



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) Type Attach Rase Ply Ply Cap Ply (psf)

System	Substrate	Base Insulation	Layer	Top Insulation Layer		R	oof Cover (Notes 15 & 16)		MDP
No.	(Notes 1 & 12)	Туре	Attach	Туре	Attach	Base Ply	Ply	Cap Ply	(psf)
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. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray S, 6-inch o.c.	АРР-ТА	(Optional) APP-TA	APP-TA	-232.5*
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. 0.25-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	АРР-ТА	-240.0*
R-38	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 or S	I.S.O. Spray S	BP-AA or SBS-AA	(Optional) APP-TA	APP-TA	-97.5*
R-39	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 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-40	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*
R-41	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-42	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*



TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver Top Insulation Layer** Substrate System MDP No. (psf) (Notes 1 & 12) Attach Attach **Base Plv** Cap Plv Type Type Plv Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL, Existing granule I.S.O. Spray S; Tapered ISO 95+ GL, GenFlex ISO Insulation or I.S.O. Spray S; BP-AA, SBS-GenFlex ISO Insulation or surface modified Tapered RESISTA, GenFlex Coated Glass Facer; Min. I.S.O. Twin AA or APP-APP-TA -202.5* R-43 I.S.O. Twin (Optional) APP-TA RESISTA, GenFlex Coated bitumen Pack 0.25-inch Dens Deck Prime or SECUROCK Gypsum Pack TA Glass Facer Fiber Roof Board Min. 1.5-inch ISO 95+ GL, Min. 0.25-inch Dens Deck Prime or SECUROCK Existing asphalt CR-20 CR-20 -127.5* R-44 SBS-TA None SBS-TA **BUR** GenFlex ISO Insulation Gypsum Fiber Roof Board (Optional) One or Existing asphalt Min. 1.5-inch ISO 95+ GL. Min. 0.25-inch Dens Deck or SECUROCK Gypsum-BP-AA or SBS-AA or R-45 CR-20 CR-20 more BP-AA, SBS-AA -225.0* GenFlex ISO Insulation APP-TA BUR Fiber Roof Board SBS-AA or APP-TA (Optional) One or Existing asphalt Min. 1.5-inch. min. 2.0 Min. 0.25-inch Dens Deck or SECUROCK Gypsum-BP-AA or SBS-AA or R-46 CR-20 CR-20 more BP-AA, SBS-AA -225.0* BUR pcf Insulfoam EPS Fiber Roof Board SBS-AA APP-TA or APP-TA SELF-ADHERING BASE PLY: SBS-AA, Existing asphalt Min. 1.5-inch ISO 95+ GL, (Optional) SBA-AA, I.S.O. FIX II R-47 Tapered ISO 95+ GL, GenFlex ISO Insulation I.S.O. FIX II SBS-SA SBS-TA or -45.0* GenFlex ISO Insulation SBS-TA or APP-TA BUR APP-TA SBS-AA, Existing granule (Optional) Additional layers of base insulation Min. 1-inch ISO 95+ GL, (Optional) SBA-AA, surface modified I.S.O. FIX II -195.0* R-48 and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex I.S.O. FIX II SBS-SA SBS-TA or GenFlex ISO Insulation SBS-TA or APP-TA bitumen ISO Insulation APP-TA Existing granule Min. 1-inch RESISTA, (Optional) Additional layers of base insulation R-49 surface modified I.S.O. FIX II I.S.O. FIX II SBS-SA (Optional) SBA-AA SBS-AA -187.5* GenFlex Coated Glass and/or min. 0.5-inch Tapered RESISTA, GenFlex bitumen Coated Glass Facer Existing granule Min. 1-inch RESISTA. (Optional) Additional layers of base insulation (Optional) SBS-TA or SBS-TA or R-50 I.S.O. FIX II I.S.O. FIX II SBS-SA -195.0* surface modified GenFlex Coated Glass and/or min. 0.5-inch Tapered RESISTA. GenFlex APP-TA APP-TA bitumen Facer Coated Glass Facer Min. 1-inch ISO 95+ GL. Additional layers of base insulation or min. 0.5-inch Existing granule GenFlex ISO Insulation or Tapered ISO 95+ GL, GenFlex ISO Insulation or R-51 surface modified I.S.O. FIX II I.S.O. FIX II SBS-AA -187.5* SBS-SA (Optional) SBA-AA RESISTA. GenFlex Coated Tapered RESISTA, GenFlex Coated Glass Facer; Min. bitumen 0.5-inch ISOGARD HD. GenFlex HD ISO Glass Facer Min. 1-inch ISO 95+ GL. Additional layers of base insulation or min. 0.5-inch Existing granule GenFlex ISO Insulation or Tapered ISO 95+ GL, GenFlex ISO Insulation or (Optional) SBS-TA or SBS-TA or R-52 surface modified I.S.O. FIX II I.S.O. FIX II SBS-SA -195.0* RESISTA, GenFlex Coated APP-TA APP-TA Tapered RESISTA, GenFlex Coated Glass Facer; Min. bitumen 0.5-inch ISOGARD HD, GenFlex HD ISO Glass Facer



TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver Top Insulation Layer** Substrate System MDP No. (Notes 1 & 12) (psf) Attach Attach Base Plv Cap Plv Type Type Plv Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL, Existing granule Tapered ISO 95+ GL, GenFlex ISO Insulation or SBS-AA, GenFlex ISO Insulation or (Optional) SBA-AA, surface modified I.S.O. FIX II Tapered RESISTA, GenFlex Coated Glass Facer; Min. SBS-TA or -82.5* I.S.O. FIX II SBS-SA RESISTA, GenFlex Coated SBS-TA or APP-TA bitumen 0.25-inch Dens Deck Prime or SECUROCK Gypsum APP-TA Glass Facer Fiber Roof Board SBS-AA, Existing asphalt Min. 1.5-inch ISO 95+ GL. I.S.O. Twin I.S.O. Twin (Optional) SBA-AA. R-54 (Optional) One or more layers base insulation SBS-SA SBS-TA or -157.5* SBS-TA or APP-TA BUR GenFlex ISO Insulation Pack Pack APP-TA Existing granule (Optional) Additional layers of base insulation SBS-AA, I.S.O. Twin Min. 1-inch ISO 95+ GL. I.S.O. Twin (Optional) SBA-AA, R-55 surface modified and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex SBS-SA SBS-TA or -202.5* GenFlex ISO Insulation Pack Pack SBS-TA or APP-TA bitumen ISO Insulation APP-TA Existing granule Min. 1-inch RESISTA, (Optional) Additional layers of base insulation I.S.O. Twin I.S.O. Twin R-56 surface modified **GenFlex Coated Glass** and/or min. 0.5-inch Tapered RESISTA, GenFlex SBS-SA (Optional) SBA-AA SBS-AA -187.5* Pack Pack bitumen Coated Glass Facer Facer Existing granule Min. 1-inch RESISTA. (Optional) Additional layers of base insulation I.S.O. Twin I.S.O. Twin (Optional) SBS-TA or SBS-TA or R-57 surface modified GenFlex Coated Glass and/or min. 0.5-inch Tapered RESISTA, GenFlex SBS-SA -202.5* Pack Pack APP-TA APP-TA bitumen Coated Glass Facer Facer (Optional) One or more SBS-AA, layers, min. 1.5-inch ISO I.S.O. Twin I.S.O. Twin (Optional) SBA-AA, Existing asphalt R-58 SBS-SA -157.5* Min. 0.5-inch ISOGARD HD, GenFlex HD ISO SBS-TA or **BUR** 95+ GL, GenFlex ISO Pack SBS-TA or APP-TA Pack APP-TA Insulation Min. 1-inch ISO 95+ GL. Additional layers of base insulation or min. 0.5-inch Existing granule GenFlex ISO Insulation or I.S.O. Twin Tapered ISO 95+ GL. GenFlex ISO Insulation or I.S.O. Twin R-59 surface modified SBS-SA (Optional) SBA-AA SBS-AA -187.5* RESISTA. GenFlex Coated Pack Tapered RESISTA, GenFlex Coated Glass Facer; Min. Pack bitumen Glass Facer 0.5-inch ISOGARD HD, GenFlex HD ISO Min. 1-inch ISO 95+ GL. Additional layers of base insulation or min. 0.5-inch Existing granule GenFlex ISO Insulation or I.S.O. Twin Tapered ISO 95+ GL, GenFlex ISO Insulation or LS.O. Twin (Optional) SBS-TA or SBS-TA or SBS-SA -202.5* R-60 surface modified RESISTA. GenFlex Coated Pack Tapered RESISTA, GenFlex Coated Glass Facer; Min. Pack APP-TA APP-TA bitumen 0.5-inch ISOGARD HD, GenFlex HD ISO Glass Facer Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL, Existing granule Tapered ISO 95+ GL, GenFlex ISO Insulation or SBS-AA, GenFlex ISO Insulation or I.S.O. Twin I.S.O. Twin (Optional) SBA-AA, surface modified Tapered RESISTA, GenFlex Coated Glass Facer; Min. SBS-SA SBS-TA or -82.5* R-61 RESISTA, GenFlex Coated Pack Pack SBS-TA or APP-TA APP-TA bitumen 0.25-inch Dens Deck Prime or SECUROCK Gypsum Glass Facer

Fiber Roof Board



TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER Roof Cover (Notes 15 & 16) **Base Insulation Laver Top Insulation Layer** Substrate System MDP No. (psf) (Notes 1 & 12) Attach Attach Base Plv Cap Plv Type Type Plv Existing granule (Optional) Additional layers of base insulation SBS-AA, (Optional) SBA-AA, Min. 1-inch ISO 95+ GL, I.S.O. Spray S SBS-SA -202.5* R-62 surface modified and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex I.S.O. Spray S SBS-TA or GenFlex ISO Insulation SBS-TA or APP-TA APP-TA bitumen ISO Insulation (Optional) Additional layers of base insulation Min. 1-inch ISO 95+ GL. I.S.O. Spray S, Existing asphalt I.S.O. Spray S, (Optional) SBS-TA or SBS-TA or SBS-SA R-63 and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex -210.0* BUR GenFlex ISO Insulation 6-inch o.c. 6-inch o.c. APP-TA APP-TA ISO Insulation (Optional) Additional layers of base insulation Existing asphalt Min. 1-inch ISO 95+ GL, I.S.O. Spray S, I.S.O. Spray S, R-64 and/or min. 0.5-inch Tapered ISO 95+ GL, GenFlex SBS-SA (Optional) SBA-AA SBS-AA -247.5* BUR GenFlex ISO Insulation 6-inch o.c. 6-inch o.c. ISO Insulation Existing granule Min. 1-inch RESISTA, (Optional) Additional layers of base insulation R-65 surface modified GenFlex Coated Glass I.S.O. Spray S and/or min. 0.5-inch Tapered RESISTA, GenFlex I.S.O. Spray S SBS-SA (Optional) SBA-AA SBS-AA -187.5* bitumen Facer Coated Glass Facer Min. 1-inch RESISTA, (Optional) Additional layers of base insulation I.S.O. Spray S, Existing asphalt I.S.O. Spray S, R-66 GenFlex Coated Glass and/or min. 0.5-inch Tapered RESISTA, GenFlex SBS-SA (Optional) SBA-AA SBS-AA -187.5* BUR 6-inch o.c. 6-inch o.c. Coated Glass Facer Facer Existing granule Min. 1-inch RESISTA, (Optional) Additional layers of base insulation (Optional) SBS-TA or SBS-TA or surface modified GenFlex Coated Glass I.S.O. Spray S and/or min. 0.5-inch Tapered RESISTA, GenFlex I.S.O. Spray S SBS-SA -202.5* APP-TA APP-TA bitumen Facer Coated Glass Facer Min. 1-inch RESISTA, (Optional) Additional layers of base insulation Existing asphalt I.S.O. Spray S, I.S.O. Spray S, (Optional) SBS-TA or SBS-TA or SBS-SA R-68 **GenFlex Coated Glass** and/or min. 0.5-inch Tapered RESISTA, GenFlex -202.5* BUR 6-inch o.c. 6-inch o.c. APP-TA APP-TA Coated Glass Facer Facer Min. 1-inch ISO 95+ GL. Additional layers of base insulation or min. 0.5-inch Existing granule GenFlex ISO Insulation or Tapered ISO 95+ GL, GenFlex ISO Insulation or R-69 surface modified I.S.O. Spray S I.S.O. Spray S SBS-SA (Optional) SBA-AA SBS-AA -187.5* RESISTA. GenFlex Coated Tapered RESISTA, GenFlex Coated Glass Facer: Min. bitumen Glass Facer 0.5-inch ISOGARD HD, GenFlex HD ISO Min. 1-inch ISO 95+ GL. Additional layers of base insulation or min. 0.5-inch GenFlex ISO Insulation or I.S.O. Spray S, Tapered ISO 95+ GL, GenFlex ISO Insulation or Existing asphalt I.S.O. Spray S, SBS-SA R-70 (Optional) SBA-AA SBS-AA -187.5* BUR RESISTA. GenFlex Coated 6-inch o.c. Tapered RESISTA, GenFlex Coated Glass Facer; Min. 6-inch o.c. Glass Facer 0.5-inch ISOGARD HD, GenFlex HD ISO Min. 1-inch ISO 95+ GL. Additional layers of base insulation or min. 0.5-inch Existing granule GenFlex ISO Insulation or Tapered ISO 95+ GL, GenFlex ISO Insulation or (Optional) SBS-TA or SBS-TA or surface modified I.S.O. Spray S I.S.O. Spray S SBS-SA -202.5* R-71 RESISTA, GenFlex Coated APP-TA APP-TA Tapered RESISTA, GenFlex Coated Glass Facer; Min. bitumen

Glass Facer

0.5-inch ISOGARD HD, GenFlex HD ISO



TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER **Base Insulation Laver** Roof Cover (Notes 15 & 16) **Top Insulation Layer** Substrate System MDP No. (Notes 1 & 12) (psf) Attach Attach Base Plv Ply Cap Ply Type Type Min. 1-inch ISO 95+ GL, Additional layers of base insulation or min. 0.5-inch Existing asphalt GenFlex ISO Insulation or I.S.O. Spray S, Tapered ISO 95+ GL, GenFlex ISO Insulation or I.S.O. Spray S, (Optional) SBS-TA or SBS-TA or R-72 SBS-SA -217.5* BUR RESISTA, GenFlex Coated 6-inch o.c. Tapered RESISTA, GenFlex Coated Glass Facer; Min. 6-inch o.c. APP-TA APP-TA Glass Facer 0.5-inch ISOGARD HD, GenFlex HD ISO Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL. Existing granule Tapered ISO 95+ GL, GenFlex ISO Insulation or SBS-AA, GenFlex ISO Insulation or (Optional) SBA-AA. surface modified I.S.O. Spray S Tapered RESISTA, GenFlex Coated Glass Facer; Min. I.S.O. Spray S SBS-SA SBS-TA or -82.5* RESISTA. GenFlex Coated SBS-TA or APP-TA bitumen 0.25-inch Dens Deck Prime or SECUROCK Gypsum APP-TA Glass Facer Fiber Roof Board Additional layers of base insulation or min. 0.5-inch Min. 1-inch ISO 95+ GL. Tapered ISO 95+ GL, GenFlex ISO Insulation or SBS-AA, **Existing asphalt** GenFlex ISO Insulation or I.S.O. Spray S, I.S.O. Spray S, (Optional) SBA-AA, R-74 SBS-SA SBS-TA or -82.5* Tapered RESISTA, GenFlex Coated Glass Facer; Min. BUR RESISTA, GenFlex Coated 6-inch o.c. 6-inch o.c. SBS-TA or APP-TA 0.25-inch Dens Deck Prime or SECUROCK Gypsum APP-TA Glass Facer Fiber Roof Board SBS-AA, Min. 1.5-inch ISO 95+ GL. Existing asphalt (Optional) SBA-AA, CR-20 SBS-SA R-75 Tapered ISO 95+ GL, GenFlex ISO Insulation CR-20 SBS-TA or -112.5* GenFlex ISO Insulation SBS-TA or APP-TA BUR APP-TA Existing asphalt Min. 1.5-inch ISO 95+ GL, (Optional) SBS-TA or SBS-TA or CR-20 R-76 CR-20 SBS-SA -210.0* (Optional) One or more layers base insulation **BUR** GenFlex ISO Insulation APP-TA APP-TA Min. 1.5-inch ISO 95+ GL. Existing asphalt

(Optional) One or more layers base insulation

CR-20

SBS-SA

(Optional) SBA-AA

CR-20

GenFlex ISO Insulation

R-77

BUR

SBS-AA

-247.5*