



**NEMO|etc.**

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ENGINEER

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**EVALUATION REPORT**

**GenFlex Roofing Systems**

A Division of Firestone Building Products Company, LLC.  
200 4<sup>th</sup> Avenue South  
Nashville, TN 37201  
**(317) 845-3875**

**Evaluation Report 3m-FBP-20-FBCER.C-R0**

**FL35406 (NON-HVHZ)**

**Date of Issuance: 12/09/2020**

**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 **7<sup>th</sup> Edition (2020) Florida Building Code** sections noted herein.

**DESCRIPTION: GenFlex Perma PVC Single Ply Roof Systems**

**LABELING:** Labeling shall be in accordance with the requirements of 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 or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** The Florida Product Approval Number (FL#) preceded by the words "NEMO|etc. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

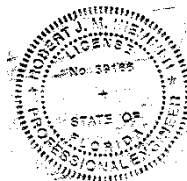
**INSPECTION:** Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 3, plus a 49-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 12/09/2020. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC 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.

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**ROOFING SYSTEMS EVALUATION:**
**1. SCOPE:**

**Product Category:** Roofing

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

**Compliance Statement:** GenFlex Perma PVC Single Ply Roof Systems, as produced by GenFlex Roofing Systems have demonstrated compliance with the following sections of the **7<sup>th</sup> Edition (2020) Florida Building Code** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

**2. STANDARDS:**

Section	Property	Standard	Year
1504.3.1	Wind resistance	FM 4474	2011
1504.6	Physical properties	ASTM G154	2012
1504.7	Impact resistance	FM 4470	2016
1507.13.2	Material standard	ASTM D4434	2012

**3. REFERENCES:**

Entity	Examination	Reference	Date
NEMO	Evaluation Report	F8970.02.08-R15	09/23/2020
NEMO	Evaluation Report	3m-FBP-20-FBCER.A-R0	12/09/2020
FM Approvals (TST1867)	FM 4470/4474	PR448738	10/24/2018
FM Approvals (TST1867)	FM 4470/4474	PR454490	04/22/2020
UL LLC (QUA9625)	Quality Control	ML File. No. R9516	01/03/2019
UL LLC (QUA9625)	Quality Control	Service Confirmation	10/21/2020

**4. PRODUCT DESCRIPTION:**

This Evaluation Report covers **GenFlex Perma PVC Single Ply Roof Systems** installed in accordance with **GenFlex Roofing Systems** published installation instructions and the Limitations / Conditions of Use herein.

**TABLE 1: EVALUATED MEMBRANES**

Type	Product		Material Standard			Plant(s)
			Reference	Type	Grade	
Roof Cover	GenFlex Perma PVC	50, 60, 80-mil	ASTM D4434	III	N/A	NJ
	GenFlex Perma PVC XR	60, 80-mil	ASTM D4434	III	N/A	NJ

**5. LIMITATIONS:**

- 5.1 This is a Building Code Evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.

- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **Testing Application Standard TAS 105**.
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1, ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124**.
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind loads.
- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117** and **Roofing Application Standard RAS 137**. Assemblies marked with an asterisk\* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020)** for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC Chapter 16**. No rational analysis is permitted for these systems.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.

## 6. INSTALLATION:

**GenFlex Perma PVC Single Ply Roof Systems** shall be installed in accordance with **GenFlex Roofing Systems** published installation instructions, subject to the Limitations / Conditions of Use noted herein.

## 7. BUILDING PERMIT REQUIREMENTS:

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

## 8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

## 9. QUALITY ASSURANCE ENTITY:

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

**- THE 49-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -**

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

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	4-6
1B	Wood	New, Reroof (Tear-Off), Recover	C-2	Plate-Bonded Roof Cover	6
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	7
2B	Steel	New or Reroof (Tear-Off)	A-1	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	7
2C	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	8-13
2D	Steel	New, Reroof (Tear-Off)	B-2	Mech. Attached Thermal Barrier, Bonded Temp Roof, Bonded Insulation, Bonded Roof Cover	13-14
2E	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	15-19
2F	Steel	New, Reroof (Tear-Off) or Recover	C-2	Plate-Bonded Roof Cover	19-20
2G	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	21
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	22-28
3B	Structural concrete	New, Reroof (Tear-Off) or Recover	C-2	Plate-Bonded Roof Cover	28-29
4A	Lightweight concrete	New or Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation, Bonded Roof Cover	30-37
4B	Lightweight concrete	New, Reroof (Tear Off)	F	Non-Insulated, Bonded Roof Cover	37
5A	Cementitious wood fiber	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	38-39
5B	Cementitious wood fiber	Reroof (Tear-Off) or Recover	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	39
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	40-41
6B	Gypsum	Reroof (Tear-Off) or Recover	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	42
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	43-48
7B	Steel	Recover	C-2	Plate-Bonded Roof Cover	49
7C	Various	Recover	F	Non-insulated, Bonded Roof Cover	49

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

- The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- Unless otherwise noted, fasteners and stress plates shall be as follows. Fasteners shall be of sufficient length for the following engagements:
  - Wood Deck: GenFast #14 or #15(WH) Fasteners with GenFast Insulation Plates or GenFast AP Fasteners with GenFast 3" Round Insulation Fastening Plates. Minimum 1-inch plywood penetration or wood plank embedment.
  - Steel Deck: GenFast #14 or #15(WH) Fasteners with GenFast Insulation Plates or GenFast AP Fasteners with GenFast 3" Round Insulation Fastening Plates. Minimum 0.75-inch steel penetration and engage the top flute of the steel deck.
  - Structural Concrete: GenFast #14 or #15(WH) Fasteners with GenFast Insulation Plates or GenFast AP Fasteners or GenFast Concrete Drive Fasteners with GenFast 3" Round Insulation Fastening Plates. Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions.
- Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- Minimum 200 psi, minimum 2-inch thick FBC Approved lightweight insulating concrete may be substituted for rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- Preliminary insulation attachment for System Type D: Unless otherwise noted, refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29 (February 2020).

- 6 Unless otherwise noted, insulation adhesive application rates are as follows. 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.
  - GenFlex ISO Bond Insulation Adhesive (G-ISO Bond): Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c. *Note: Quick Dual may be used where G-ISO Bond is referenced herein for insulation securement.*
  - GenFlex One Step Insulation Adhesive (G-OSIA): Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
  - GenFlex Quick Dual: Continuous 0.75-inch 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.*
  - *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.
- Tapered GenFlex ISO:
- Hot asphalt: MDP -120.0 psf (Min. 0.5-inch thick)
  - Firestone I.S.O. FIX II: MDP -172.5 psf (Min. 0.5-inch thick)
  - G-ISO Bond: MDP -187.5 psf (Min. 0.5-inch thick)
  - G-OSIA or I.S.O. Spray R: MDP -157.5 psf (Min. 0.5-inch thick)
- Tapered GenFlex Coated Glass Facer:
- Firestone I.S.O. FIX II, 12-inch o.c.: MDP -165.0 psf (Min. 0.5-inch thick)\
  - Firestone I.S.O. FIX II, 6-inch o.c.: MDP -405.0 psf (Min. 0.5-inch thick)
  - Firestone I.S.O. Spray R, 12-inch o.c.: MDP -165.0 psf (Min. 0.5-inch thick)
  - Firestone I.S.O. Spray R, 6-inch o.c.: MDP -405.0 psf (Min. 0.5-inch thick)
  - G-ISO Bond, 12-inch o.c.: MDP -165.0 psf (Min. 0.5-inch thick)
  - G-ISO Bond, 6-inch o.c.: MDP -405.0 psf (Min. 0.5-inch thick)
  - G-OSIA, 12-inch o.c.: MDP -165.0 psf (Min. 0.5-inch thick)
  - G-OSIA, 6-inch o.c.: MDP -405.0 psf (Min. 0.5-inch thick)
- 8 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29 (February 2020).
- 9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117 and Roofing Application Standard RAS 137. Assemblies marked with an asterisk\* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020) for Zone 2/3 enhancements.
- 10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.
- 11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105.
- 12 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance shall be conducted on mock-ups of the proposed new roof assembly. 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. Field uplift testing shall be in accordance with ASTM E907, FM Loss Prevention Data Sheet 1-52 or Testing Application Standard TAS 124.

- 13 Refer to FBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1, C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation (Note 5 herein). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.
- 14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For “pre-existent” LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.
- 15 For bonded membrane applications, unless otherwise noted, refer to the following.

MEMBRANE / ADHESIVE COMBINATIONS			
MEMBRANE	ADHESIVE	APPLICATION	RATE
GenFlex Perma PVC	Perma PVC Bonding Adhesive	Substrate and roof cover underside	combined rate of 50-70 ft <sup>2</sup> /gal
GenFlex Perma PVC	Perma PVC LVOC Bonding Adhesive	Substrate and roof cover underside	combined rate of 45-60 ft <sup>2</sup> /gal
GenFlex Perma PVC	Perma PVC Water Based Bonding Adhesive	Substrate only	~140 to 180 ft <sup>2</sup> /gal
GenFlex Perma PVC XR	I.S.O. Spray R	Substrate only	RIBBONS: Continuous ribbons, spaced as noted herein
GenFlex Perma PVC XR	G-ISO Bond	Substrate only	SPATTER: Spatter-pattern at 0.32 gal/square
GenFlex Perma PVC XR	G-OSIA	Substrate only	RIBBONS: Continuous ribbons, spaced as noted herein
GenFlex Perma PVC XR	Perma PVC Water Based Bonding Adhesive	Substrate only	~100 to 120 ft <sup>2</sup> /gal
GenFlex Perma PVC XR	Quick Dual	Substrate only	RIBBONS: Continuous ribbons, spaced as noted herein or SPATTER: Spatter-pattern at 0.32 gal/square.
GenFlex Perma PVC XR	Perma PVC XR Stick	Substrate only	RIBBONS: Continuous ribbons, spaced as noted herein

- 15A For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes.
- 15B For System Type C-2 (induction weld), care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates.
- 16 Vapor barrier options for use over structural concrete deck followed by bonded insulation carry the following MDP limitations. The lesser of the MDP listings below vs. those in Table 3A applies.

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION PER TABLE 3A:					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE	MDP (PSF)
		TYPE	APPLICATION		
C-VB-1.	ASTM D41	GenFlex MB Base Sheet or Firestone MB Base, SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, APP 160 COOL or APP 170 COOL	Firestone Multi-Purpose MB Cold Adhesive, 1.5-2.0 gal/sq.	Firestone Multi-Purpose MB Cold Adhesive	-67.5*
C-VB-2.	None	GenFlex MB Base Sheet	Firestone LiquiGard, 1.5-2.0 gal/sq.	Firestone I.S.O. Spray R, 12" o.c.	-240.0*
C-VB-3.	None	GenFlex MB Base Sheet	Firestone LiquiGard, 1.5-2.0 gal/sq.	G-OSIA, 12" o.c.	-240.0*
C-VB-4.	None	Firestone SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Firestone LiquiGard, 1.5-2.0 gal/sq.	Firestone I.S.O. Spray R, 12" o.c.	-240.0*
C-VB-5.	None	Firestone SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Firestone LiquiGard, 1.5-2.0 gal/sq.	G-OSIA, 12" o.c.	-240.0*
C-VB-6.	ASTM D41	GenFlex MB Base Sheet	G-OSIA, 4" o.c.	G-OSIA, 12-inch o.c.	-232.5*
C-VB-7.	ASTM D41	1 or 2 plies GenFlex Type IV Ply Felt or GenFlex Type VI Ply Felt or 1 ply Firestone MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	Hot asphalt	-120.0*

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION PER TABLE 3A:					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE	MDP (PSF)
		TYPE	APPLICATION		
C-VB-8.	ASTM D41	1 or 2 plies GenFlex Type IV Ply Felt or GenFlex Type VI Ply Felt or 1 ply Firestone MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	I.S.O. Spray R or G-OSIA, 12" o.c.	-495.0*
C-VB-9.	ASTM D41	GenFlex SBS Base Sheet GT or Firestone SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth	Torch-applied	I.S.O. Spray R or G-OSIA, 12" o.c.	-495.0*
C-VB-10.	Vapor Shield Solvent Based Primer	GenFlex Vapor Shield Membrane	Self-adhering	I.S.O. Spray R, 12" o.c.	-255.0*
C-VB-11.	Vapor Shield Solvent Based Primer	GenFlex Vapor Shield Membrane	Self-adhering	I.S.O. Stick, 12" o.c.	-262.5*
C-VB-12.	Vapor Shield Solvent Based Primer	GenFlex Vapor Shield Membrane	Self-adhering	G-OSIA, 12" o.c.	-255.0*

17 For System Types B-1, B-2 and C-1 over steel deck, Vapor Shield Membrane, self-adhered, may be installed atop the steel roof deck prior to installation of subsequent insulation components.

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

TABLE 1A: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
BARE BACK ROOF COVERS:							
W-1	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer	Note 2	1 per 4.0 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-30.0*
W-2	Min. 19/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.8 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
W-3	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer	Note 2	1 per 2.7 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
W-4	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
W-5	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.7 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
W-6	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
W-7	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
W-8	Min. 23/32-inch plywood at max 24-inch spans	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
W-9	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.1 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
W-10	Min. 15/32-inch APA rated CDX plywood	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
W-11	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
W-12	Min. 19/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck or DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
W-13	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.13 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-52.5
W-14	Min. 15/32-inch plywood at max 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-67.5
<b>FLEECE BACK ROOF COVERS:</b>							
W-15	Min. 15/32-inch APA rated CDX plywood	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-37.5
W-16	Min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
W-17	Min. 19/32-inch APA rated plywood or min. 7/16-inch APA rated OSB at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.13 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
W-18	Min. 15/32-inch APA rated plywood at max. 24-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0

**TABLE 1B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-2: PLATE-BONDED MEMBRANE**

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density / Pattern		
W-19	Min. 19/32-inch APA rated OSB or plywood at max. 24-inch o.c.	Any approved thermal barrier and/or insulation, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	6 parts per 4 x 8 ft board 1 per 5.3 ft <sup>2</sup>	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0*
W-20	Min. 19/32-inch APA rated OSB or plywood at max. 24-inch o.c.	Any approved thermal barrier and/or insulation, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	8 parts per 4 x 8 ft board 1 per 4.0 ft <sup>2</sup>	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0*
W-21	Min. 19/32-inch plywood at max. 24-inch spans	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	Max. 6-inch o.c. in rows max. 72-inch o.c.	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
W-22	Min. 15/32-inch plywood at max. 24-inch spans	Any approved thermal barrier and/or insulation, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	12 parts per 4 x 8 ft board 1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
W-23	Code minimum plywood or OSB. Note 1	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	Max. 6-inch o.c. in rows spaced max. 96-inch o.c. along wood structural members	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-75.0
W-24	Min. 19/32-inch plywood at max. 24-inch spans	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	Max. 6-inch o.c. in rows max. 60-inch o.c.	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-82.5

**TABLE 2A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-1.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch GenFlex ISO	G-ISO Bond or G-OSIA, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	G-ISO Bond or G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-2.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch GenFlex ISO	G-OSIA, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	G-OSIA, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-67.5*
SC-3.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch GenFlex ISO	G-OSIA, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	G-OSIA, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive or Perma PVC LVOC Bonding Adhesive	-75.0*

**TABLE 2B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-4.	Min. 22 ga., type B, Grade 33 steel	Vapor Shield Membrane, self-adhered to top flanges of steel deck	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R or G-OSIA, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Spray R or G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-37.5
SC-5.	Min. 22 ga., type B, Grade 33 steel	Vapor Shield Membrane, self-adhered to top flanges of steel deck	Min. 1.5-inch GenFlex ISO	G-ISO Bond or I.S.O. Spray R or G-OSIA, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	G-ISO Bond or I.S.O. Spray R or G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-6.	Min. 22 ga., type B, Grade 33 steel	Vapor Shield Membrane, self-adhered to top flanges of steel deck	Min. 2-inch GenFlex ISO	G-OSIA, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	G-OSIA, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
BARE BACK ROOF COVERS:								
SC-7.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 4.0 ft²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-37.5*
SC-8.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft²	Optional min. 1.5-inch GenFlex ISO followed by min. 0.5-inch Tapered GenFlex ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-9.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex Coated Glass Facer	Note 2	1 per 2.7 ft²	Optional min. 1.5-inch GenFlex Coated Glass Facer followed by min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-10.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 4.0 ft²	Optional min. 1.5-inch GenFlex Coated Glass Facer followed by min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-11.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 4.0 ft²	Min. 1.5-inch GenFlex HD Composite ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-12.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.7 ft²	Min. 1.5-inch GenFlex HD Composite ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-13.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft²	Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-14.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 2.0 ft²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-15.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; G-OSIA, G-ISO Bond or CR-20	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-17.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; G-OSIA, G-ISO Bond or CR-20	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-18.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	Optional min. 1.5-inch GenFlex ISO or min. 0.5-inch Tapered GenFlex ISO followed by min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	Optional min. 1.5-inch GenFlex Coated Glass Facer followed by min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-20.	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 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive or Perma PVC LVOC Bonding Adhesive	-45.0*
SC-21.	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 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-22.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-23.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.8 ft <sup>2</sup>	Min. 1.5-inch GenFlex HD Composite ISO	G-ISO Bond, 12-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-24.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.8 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-67.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-25.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-67.5
SC-26.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R; G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive or Perma PVC LVOC Bonding Adhesive	-75.0
SC-27.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive or Perma PVC LVOC Bonding Adhesive	-82.5
<b>FLEECE BACK ROOF COVERS (FULL BOND):</b>								
SC-28.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-30.0*
SC-29.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-37.5*
SC-30.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / Quick Dual, spatter	-45.0*
SC-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / Quick Dual, spatter	-45.0*
SC-32.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-33.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO followed by min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch GenFlex ISO	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-35.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1-inch GenFlex ISO followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / Quick Dual, spatter	-45.0*
SC-36.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1-inch GenFlex ISO followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	Optional min. 1-inch GenFlex ISO followed by min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-60.0
SC-39.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5
SC-40.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch DensDeck Prime or GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5
SC-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / Quick Dual, spatter	-82.5
SC-42.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / Quick Dual, spatter	-82.5
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	GenFlex Perma PVC XR / Quick Dual, spatter	-82.5
<b>FLEECE BACK ROOF COVERS (PARTIAL BOND):</b>								
SC-44.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.7 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-30.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-45.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-37.5*
SC-46.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-48.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-49.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch GenFlex ISO	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1-inch GenFlex ISO followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-51.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 1-inch GenFlex ISO followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch DensDeck Prime or GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5
SC-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 1-inch GenFlex ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-55.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; G-ISO Bond; I.S.O. Spray R; G-OSIA, 6-inch o.c.	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5

**TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach		Type	Attach (Notes 6,7,8)		
BARE BACK ROOF COVERS:									
SC-56.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
SC-57.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-58.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO; Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-45.0*
SC-59.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch GenFlex HD ISO or min. 7/16-inch OSB	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-60.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0

**TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

Sys No.	Deck (Note 1)	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach		Type	Attach (Notes 6,7,8)		
SC-61.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
<b>FLEECE BACK ROOF COVERS:</b>									
SC-62.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0
SC-63.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-64.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO; Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter	-45.0*
SC-65.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch GenFlex HD ISO or min. 7/16-inch OSB	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-66.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0
SC-67.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	Vapor Shield Solvent Based Primer; Vapor Shield Membrane, self-adhered	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
BARE BACK ROOF COVERS:							
SC-68.	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-inch GenFlex Coated Glass Facer	Note 2	1 per 3.2 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-30.0*
SC-69.	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-inch GenFlex ISO	Note 2	1 per 2.7 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-37.5*
SC-70.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 5.3 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-37.5*
SC-71.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 4.0 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-72.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch GenFlex ISO	Note 2	1 per 2.7 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-73.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-74.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 2.7 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
SC-75.	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 GenFlex Coated Glass Facer	Note 2	1 per 2.7 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-76.	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-inch GenFlex Coated Glass Facer	Note 2	1 per 2.0 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-77.	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 GenFlex HD Composite ISO	Note 2	1 per 4.0 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-78.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Note 2	1 per 2.0 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive or Perma PVC LVOC Bonding Adhesive	-45.0*
SC-79.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.7 ft²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-80.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 1.3 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
SC-81.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-82.	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 SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-83.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-84.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch OSB	Firestone HD HailGard Fastener (steel only)	1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
SC-85.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-52.5
SC-86.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch OSB	Firestone HD HailGard Fastener (steel only)	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-52.5
SC-87.	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 GenFlex ISO	Note 2	1 per 1.8 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-88.	Min. 22 ga., type B, 56 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.1 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-89.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 1.3 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-90.	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 GenFlex HD Composite ISO	Note 2	1 per 1.3 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-91.	Min. 22 ga., type B, 56 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-67.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-92.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, Tek 5 screws with 3/4" washers, 6" o.c.	(Optional) Any thickness or combination	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.0 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-67.5
SC-93.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-94.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch OSB	Note 2 (Heavy Duty only for steel)	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-95.	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 Firestone HailGard	Note 2 (Heavy Duty only for steel)	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-96.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-97.	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 GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-98.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-82.5
SC-99.	Min. 22 ga., type B, 60 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-82.5
<b>FLEECE BACK ROOF COVERS (FULL BOND):</b>							
SC-100.	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 Structodek High Density Fiberboard Roof Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter	-30.0*
SC-101.	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-inch GenFlex ISO	Note 2	1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-37.5*
SC-102.	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 GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-103.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch GenFlex ISO	Note 2	1 per 4.0 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-104.	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 Structodek High Density Fiberboard Roof Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter	-45.0*
SC-105.	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 DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-106.	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 DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	Note 2	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-107.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.1 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
SC-108.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5
SC-109.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, Tek 5 screws with 3/4" washers, 6" o.c.	(Optional) Any thickness or combination	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.0 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-67.5
SC-110.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC XR / Quick Dual, spatter	-82.5
<b>FLEECE BACK ROOF COVERS (PARTIAL BOND):</b>							
SC-111.	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 Structodek High Density Fiberboard Roof Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-30.0*
SC-112.	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-inch GenFlex ISO	Note 2	1 per 2.7 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-37.5*
SC-113.	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 GenFlex ISO	Note 2	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-114.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch GenFlex ISO	Note 2	1 per 4.0 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-115.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Note 2	1 per 1.5 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-116.	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 DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	Note 2	1 per 2.0 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-117.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.1 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*
SC-118.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, Teks 5 screws with 3/4" washers, 6" o.c.	(Optional) Any thickness or combination	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.0 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-67.5
SC-119.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft <sup>2</sup>	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5

**TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-2: PLATE-BONDED MEMBRANE**

System No.	Deck (Note 1)	Vapor Barrier	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
				Fasteners (Note 11)	Density		
SC-120.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	Max. 18-inch o.c. in rows max. 60-inch o.c.	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-30.0
SC-121.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 6.0 ft <sup>2</sup> 2 x 3-ft grid	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0*
SC-122.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 5.3 ft <sup>2</sup> (6 parts per 4x8 ft board) Per FM LPDS 1-29	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0*
SC-123.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	Max. 12-inch o.c. in rows max. 60-inch o.c.	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0
SC-124.	Min. 22 ga., type B, 50 ksi steel	Vapor Shield Membrane, self-adhered	Min. 2.5-inch GenFlex ISO, GenFlex Coated Glass Facer or GenFlex HD Composite ISO	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft <sup>2</sup> (8 parts per 4x8 ft board) in a 24 x 24-inch grid	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5

**TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-2: PLATE-BONDED MEMBRANE**

System No.	Deck (Note 1)	Vapor Barrier	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
				Fasteners (Note 11)	Density		
SC-125.	Min. 22 ga., type B, 50 ksi steel	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by Vapor Shield Membrane, self-adhered	Min. 2.5-inch GenFlex ISO, GenFlex Coated Glass Facer or GenFlex HD Composite ISO	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft <sup>2</sup> (8 parts per 4x8 ft board) in a 24 x 24-inch grid	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
SC-126.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft <sup>2</sup> (8 parts per 4x8 ft board) Per FM LPDS 1-29	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-60.0
SC-127.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	GenFast #15(WH) Fasteners with alternating rows of: 1.) GenFlex Perma PVC InvisiWeld Plates 2.) GenFast 3" Round Insulation Fastening Plates	1 per 2.0 ft <sup>2</sup> (16 parts per 4x8 ft board) in a 12 x 24-inch grid	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-67.5
SC-128.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 2.7 ft <sup>2</sup> (12 parts per 4x8 ft board) Per FM LPDS 1-29	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-75.0
SC-129.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft <sup>2</sup> 2 x 2-ft grid	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-75.0
SC-130.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	Max. 6-inch o.c. in rows max. 60-inch o.c.	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-82.5
SC-131.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 2.0 ft <sup>2</sup> (16 parts per 4x8 ft board) Per FM LPDS 1-29	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-105.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fasteners (Note 11)	Fastener Spacing	Lap Width	Row Spacing	Seam Weld	
SC-132.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC	GenFlex Heavy-Duty Plus Fasteners with GenFlex HD Plus Seam Plates	12-inch o.c.	6-inch	114-inch	1.5-inch	-30.0
SC-133.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC, min. 60-mil	GenFlex Heavy-Duty Plus Fasteners with GenFlex HD Plus Seam Plates	12-inch o.c.	6-inch	114-inch	1.5-inch	-37.5
SC-134.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC XR	GenFlex Heavy-Duty Plus Fasteners with GenFlex HD Plus Seam Plates	12-inch o.c.	6-inch	114-inch	1.5-inch	-37.5
SC-135.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC	GenFlex Heavy-Duty Fasteners with GenFlex HD Seam Plates	6-inch o.c.	6-inch	114-inch	1.5-inch	-45.0
SC-136.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC	GenFlex Heavy-Duty Fasteners with GenFlex HD Seam Plates	12-inch o.c.	6-inch	54-inch	1.5-inch	-52.5
SC-137.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC, min. 60-mil	GenFlex Heavy-Duty Fasteners with GenFlex HD Seam Plates	6-inch o.c.	6-inch	114-inch	1.5-inch	-52.5
SC-138.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC XR	GenFlex Heavy-Duty Fasteners with GenFlex HD Seam Plates	6-inch o.c.	6-inch	114-inch	1.5-inch	-52.5
SC-139.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC, min. 60-mil	GenFlex Heavy-Duty Plus Fasteners with GenFlex HD Plus Seam Plates	12-inch o.c.	6-inch	54-inch	1.5-inch	-60.0
SC-140.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISO 95_ + GL or GenFlex Coated Glass Facer	Prelim. attach	GenFlex Perma PVC XR	GenFlex Heavy-Duty Plus Fasteners with GenFlex HD Plus Seam Plates	12-inch o.c.	6-inch	54-inch	1.5-inch	-60.0

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
BARE BACK ROOF COVERS:								
C-1	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. FIX II, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. FIX II, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-2	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. FIX II	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. FIX II	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-3	Min. 2,500 psi structural concrete	None	Min. two (2) layers min. 1.5-inch GenFlex ISO	I.S.O. FIX II	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-262.5
C-4	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	I.S.O. FIX II	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-300.0
C-5	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. FIX II, 6-inch o.c.	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-6	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II, 4-inch o.c.	None	N/A	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-7	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-165.0
C-8	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 8-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-240.0
C-9	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 4-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-285.0
C-10	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. Spray R, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-11	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. Spray R	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-12	Min. 2,500 psi structural concrete	None	Min. 2-inch STYROFOAM DECKMATE Plus FA	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-75.0
C-13	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-157.5
C-14	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, 8-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-187.5
C-15	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, 4-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-247.5
C-16	Min. 2,500 psi structural concrete	None	Min. two (2) layers min. 1.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-262.5
C-17	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-247.5
C-18	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	None	N/A	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-300.0
C-19	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layers of base insulation	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-150.0
C-20	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	G-ISO Bond, 6-inch o.c.	(Optional) Additional layers of base insulation	G-ISO Bond, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-21	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex Coated Glass Facer	G-ISO Bond	Min. 1-inch GenFlex Coated Glass Facer	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-22	Min. 2,500 psi structural concrete	None	Min. 2-inch STYROFOAM DECKMATE Plus FA	G-ISO Bond	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-75.0
C-23	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-ISO Bond	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-150.0

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-24	Min. 2,500 psi structural concrete	None	Min. two (2) layers min. 1.5-inch GenFlex ISO	G-ISO Bond	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-262.5
C-25	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	G-ISO Bond	Min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-300.0
C-26	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	G-ISO Bond, 6-inch o.c.	Min. 0.5-inch GenFlex HD ISO	G-ISO Bond, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-27	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	G-ISO Bond	None	N/A	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-28	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layers of base insulation	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-165.0
C-29	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA, 8-inch o.c.	(Optional) Additional layers of base insulation	G-OSIA, 8-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-240.0
C-30	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA, 4-inch o.c.	(Optional) Additional layers of base insulation	G-OSIA, 4-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-285.0
C-31	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	G-OSIA, 6-inch o.c.	(Optional) Additional layers of base insulation	G-OSIA, 6-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-32	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
C-33	Min. 2,500 psi structural concrete	None	Min. 2-inch STYROFOAM DECKMATE Plus FA	G-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive or Perma PVC LVOC Bonding Adhesive	-75.0
C-34	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-157.5
C-35	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA, 8-inch o.c.	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA, 8-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-187.5

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-36	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA, 4-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-247.5
C-37	Min. 2,500 psi structural concrete	None	Min. two (2) layers min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-262.5
C-38	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-247.5
C-39	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	G-OSIA	None	N/A	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-300.0
C-40	Min. 2,500 psi structural concrete	None	(Optional) Min. 1.5-inch GenFlex ISO	Quick Dual, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Quick Dual, 4-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive or Perma PVC LVOC Bonding Adhesive	-67.5
C-41	Min. 2,500 psi structural concrete	None	(Optional) Min. 1.5-inch GenFlex ISO	Quick Dual, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Quick Dual, 4-inch o.c.	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-97.5
C-42	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	Quick Dual, 4-inch o.c.	(Optional) Additional layer(s) base insulation	Quick Dual, 4-inch o.c.	GenFlex Perma PVC / Perma PVC Bonding Adhesive or Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-337.5
<b>FLEECE BACK ROOF COVERS (FULL BOND):</b>								
C-43	Min. 2,500 psi structural concrete	ASTM D41	(Optional) Min. 1.5-inch GenFlex ISO	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-300.0
C-44	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-172.5
C-45	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-300.0

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-46	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-337.5
C-47	Min. 2,500 psi structural concrete	None	(Optional) Min. 1.5-inch GenFlex ISO	I.S.O. Spray R, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, 4-inch o.c.	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-382.5
C-48	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-390.0
C-49	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R, 4-inch o.c.	(Optional) Additional layer(s) base insulation	I.S.O. Spray R, 4-inch o.c.	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-495.0
C-50	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-172.5
C-51	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-187.5
C-52	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-337.5
C-53	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-390.0

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-54	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-172.5
C-55	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-300.0
C-56	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-337.5
C-57	Min. 2,500 psi structural concrete	None	(Optional) Min. 1.5-inch GenFlex ISO	G-OSIA, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	G-OSIA, 4-inch o.c.	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-382.5
C-58	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-390.0
C-59	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA, 4-inch o.c.	(Optional) Additional layer(s) base insulation	G-OSIA, 4-inch o.c.	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-495.0
<b>FLEECE BACK ROOF COVERS (PARTIAL BOND):</b>								
C-60	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R; G-OSIA; G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R; G-OSIA; G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0

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

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-61	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R; G-OSIA; G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; G-OSIA; G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
C-62	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R; G-OSIA; G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R; G-OSIA; G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
C-63	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R; G-OSIA; G-ISO Bond	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R; G-OSIA; G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5

**TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE C-2: PLATE-BONDED MEMBRANE**

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density		
C-64	Min. 2,500 psi structural concrete	One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	Max. 18-inch o.c. in rows max. 60-inch o.c.	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-30.0
C-65	Min. 2,500 psi structural concrete	One or more layers, any combination	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	1 per 6.0 ft <sup>2</sup> 2 x 3-ft grid	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0*
C-66	Min. 2,500 psi structural concrete	One or more layers, any combination	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	1 per 5.3 ft <sup>2</sup> (6 parts per 4x8 ft board) Per FM LPDS 1-29	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0*
C-67	Min. 2,500 psi structural concrete	One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	Max. 12-inch o.c. in rows max. 60-inch o.c.	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0
C-68	Min. 2,500 psi structural concrete	One or more layers, any combination	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft <sup>2</sup> (8 parts per 4x8 ft board) Per FM LPDS 1-29	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-60.0

**TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-2: PLATE-BONDED MEMBRANE**

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density		
C-69	Min. 2,500 psi structural concrete	One or more layers, any combination	GenFast #15(WH) Fasteners or GenFast Concrete Drive with alternating rows of: 1.) GenFlex Perma PVC InvisiWeld Plates 2.) GenFast 3" Round Insulation Fastening Plates	1 per 2.0 ft <sup>2</sup> (16 parts per 4x8 ft board) in a 12 x 24-inch grid	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-67.5
C-70	Min. 2,500 psi structural concrete	One or more layers, any combination	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	1 per 2.7 ft <sup>2</sup> (12 parts per 4x8 ft board) Per FM LPDS 1-29	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-75.0
C-71	Min. 2,500 psi structural concrete	One or more layers, any combination	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft <sup>2</sup> 2 x 2-ft grid	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-75.0
C-72	Min. 2,500 psi structural concrete	One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	Max. 6-inch o.c. in rows max. 60-inch o.c.	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-82.5
C-73	Min. 2,500 psi structural concrete	One or more layers, any combination	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	1 per 2.0 ft <sup>2</sup> (16 parts per 4x8 ft board) Per FM LPDS 1-29	GenFlex Perma PVC bonded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-105.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CELCORE (FL2037):								
BARE BACK ROOF COVERS:								
LWC-1	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R	(Optional) Additional layers base insulation	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-165.0
LWC-2	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-210.0
LWC-3	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Additional layers base insulation	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-165.0
LWC-4	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-187.5
LWC-5	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-ISO Bond	Min. 2-inch GenFlex HD Composite ISO	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-187.5
LWC-6	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-187.5
LWC-7	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	G-ISO Bond	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-210.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-8	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	G-OSIA	(Optional) Additional layers base insulation	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-165.0
LWC-9	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-210.0
LWC-10	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-217.5
LWC-11	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	Min. 2-inch GenFlex HD Composite ISO	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-217.5
LWC-12	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-217.5
<b>FLEECE BACK ROOF COVERS (FULL BOND):</b>								
LWC-13	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R	(Optional) Additional layers base insulation	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-165.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-14	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-210.0
LWC-15	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Additional layers base insulation	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-165.0
LWC-16	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-187.5
LWC-17	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-ISO Bond	Min. 2-inch GenFlex HD Composite ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-187.5
LWC-18	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-187.5
LWC-19	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	G-ISO Bond	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-210.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-20	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	G-OSIA	(Optional) Additional layers base insulation	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-165.0
LWC-21	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-210.0
LWC-22	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-217.5
LWC-23	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	Min. 2-inch GenFlex HD Composite ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-217.5
LWC-24	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-217.5
<b>FLEECE BACK ROOF COVERS (PARTIAL BOND):</b>								

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-25	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
LWC-26	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
LWC-27	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
LWC-28	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5
LWC-29	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
LWC-30	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-31	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
LWC-32	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
LWC-33	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
LWC-34	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
LWC-35	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5
LWC-36	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-37	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
LWC-38	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO or min. 7/16-inch APA or TECO rated OSB	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
LWC-39	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
LWC-40	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
LWC-41	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
LWC-42	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-43	Min. 2,500 psi structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5
LWC-44	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5

**TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: LWC-TO-DECK, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)		MDP (psf)
			Type	Attach	
CELCORE (FL2037):					
LWC-45	Min. 22 ga, type BV, Grade 40 steel	Min. 350 psi, min. 2" thick Celcore Cellular Concrete	GenFlex Perma PVC XR	G-ISO Bond or Quick Dual, spatter-applied	-52.5
LWC-46	Min. 2,500 psi structural concrete.	Min. 350 psi, min. 2" thick Celcore Cellular Concrete	GenFlex Perma PVC XR	G-ISO Bond or Quick Dual, spatter-applied	-386.0

**TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
BARE BACK ROOF COVERS:							
CWF-1.	Existing Tectum I	Min. 1-inch GenFlex ISO	I.S.O. Spray R	None	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-67.5
CWF-2.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-67.5
CWF-3.	Existing Tectum I	Min. 1-inch GenFlex ISO	I.S.O. Spray R	None	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
CWF-4.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-82.5
CWF-5.	Existing Tectum	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
CWF-6.	Existing Tectum I	Min. 1-inch GenFlex ISO	G-OSIA	None	G-OSIA	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-67.5
CWF-7.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex ISO	G-OSIA	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-67.5
CWF-8.	Existing Tectum I	Min. 1-inch GenFlex ISO	G-OSIA	None	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
CWF-9.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex ISO	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-82.5
FLEECE BACK ROOF COVERS (FULL BOND):							
CWF-10.	Existing Tectum I	Min. 1-inch GenFlex ISO	I.S.O. Spray R	None	I.S.O. Spray R	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5
CWF-11.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5
CWF-12.	Existing Tectum I	Min. 1-inch GenFlex ISO	I.S.O. Spray R	None	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-75.0
CWF-13.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-82.5
CWF-14.	Existing Tectum	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0
CWF-15.	Existing Tectum I	Min. 1-inch GenFlex ISO	G-OSIA	None	G-OSIA	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5

**TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CWF-16.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex ISO	G-OSIA	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5
CWF-17.	Existing Tectum I	Min. 1-inch GenFlex ISO	G-OSIA	None	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-75.0
CWF-18.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter	-82.5
<b>FLEECE BACK ROOF COVERS (PARTIAL BOND):</b>							
CWF-19.	Existing Tectum I	Min. 1-inch GenFlex ISO	I.S.O. Spray R	None	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-75.0
CWF-20.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	Min. 0.5-inch GenFlex ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
CWF-21.	Existing Tectum I	Min. 1-inch GenFlex ISO	G-OSIA	None	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-75.0
CWF-22.	Existing Tectum I	Min. 0.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5

**TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CWF-23.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
CWF-24.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
CWF-25.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*

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

System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
BARE BACK ROOF COVERS:							
G-1.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-150.0
G-2.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-112.5
G-3.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-150.0
FLEECE BACK ROOF COVERS (FULL BOND):							
G-4.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-150.0
G-5.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-112.5
G-6.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-150.0
FLEECE BACK ROOF COVERS (PARTIAL BOND):							
G-1.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
G-2.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
G-3.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5

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

System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
G-4.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Additional layer of base insulation	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5
G-5.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
G-6.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	G-ISO Bond	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
G-7.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Additional layer of base insulation	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-112.5
G-8.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
G-9.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
G-10.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
G-11.	Existing poured gypsum or gypsum plank	Min. 0.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5

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

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
G-12.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0*
G-13.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0*
G-14.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch GenFlex ISO	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0*

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

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
BARE BACK ROOF COVER:							
R-1	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel or cementitious wood fiber deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
R-2	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-157.5
R-3	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Spray R	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-237.5
R-4	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-237.5
R-5	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel or cementitious wood fiber deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
R-6	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layers of base insulation	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-157.5
R-7	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-ISO Bond	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-237.5
R-8	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-237.5

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

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-9	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel or cementitious wood fiber deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-45.0
R-10	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layers of base insulation	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-195.0
R-11	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-OSIA	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-237.5
R-12	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-237.5
<b>FLEECE BACK ROOF COVERS (FULL BOND):</b>							
R-13	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel or cementitious wood fiber deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0
R-14	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-157.5
R-15	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Spray R	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-237.5
R-16	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-237.5

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

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-17	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel or cementitious wood fiber deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0
R-18	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layers of base insulation	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-157.5
R-19	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-ISO Bond	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-237.5
R-20	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-237.5
R-21	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel or cementitious wood fiber deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-45.0
R-22	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layers of base insulation	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-195.0
R-23	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-OSIA	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-237.5
R-24	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 4-inch o.c. or Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-237.5
<b>FLEECE BACK ROOF COVERS (PARTIAL BOND):</b>							

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

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-25	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel, structural concrete, cementitious wood fiber or gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
R-26	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel, structural concrete, cementitious wood fiber or gypsum deck	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
R-27	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Spray R	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
R-28	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
R-29	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Spray R	Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
R-30	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
R-31	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5
R-32	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel, structural concrete, cementitious wood fiber or gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0

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

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-33	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel, structural concrete, cementitious wood fiber or gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-ISO Bond	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
R-34	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-ISO Bond	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
R-35	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
R-36	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-ISO Bond	Min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
R-37	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	Min. 0.5-inch GenFlex HD ISO	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
R-38	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-ISO Bond	(Optional) Additional layers of base insulation	G-ISO Bond	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5
R-39	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel, structural concrete, cementitious wood fiber or gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
R-40	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing wood, steel, structural concrete, cementitious wood fiber or gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-45.0
R-41	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-OSIA	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0

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

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-42	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Min. 0.25 in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-60.0
R-43	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam I	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
R-44	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	(Optional) One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-82.5
R-45	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen over existing structural concrete or poured gypsum deck	One or more layers, min. 1.5-in GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layers of base insulation	G-OSIA	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 6-inch o.c.	-142.5

**TABLE 7B: STEEL - RECOVER**
**SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER**
*(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)*

System No.	Substrate (Note 1)	Insulation Layer	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Spacing		
R-46	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Firestone Purlin Fasteners and GenFlex Perma PVC InvisiWeld Plates are fastened through to purlins	18-inch o.c. along purlins	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-30.0
R-47	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Firestone Purlin Fasteners and GenFlex Perma PVC InvisiWeld Plates are fastened through to purlins	12-inch o.c. along purlins	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0
R-48	Existing standing seam or lap seam metal roof covers having min. ¼-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Firestone Purlin Fasteners and GenFlex Perma PVC InvisiWeld Plates are fastened through to purlins	6-inch o.c. along purlins	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
R-49	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Firestone Purlin Fasteners and GenFlex Perma PVC InvisiWeld Plates are fastened through to purlins	6-inch o.c. along purlins	GenFlex Perma PVC induction welded to Perma PVC InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-82.5

**TABLE 7C: RECOVER APPLICATIONS**
**SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Substrate (Notes 1 & 12)	Primer	Roof Cover (Note 15)		MDP (psf)
			Type	Attach	
R-50	Existing smooth-surface built-up roof (BUR) or granule-surface SBS modified bitumen over any existing deck type	None	GenFlex Perma PVC XR	Perma PVC XR Stick, ribbons max. 6" o.c.	-60.0