



NEMO|etc.

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ENGINEER

EVALUATE

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EVALUATION REPORT

GenFlex Roofing Systems

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

Evaluation Report 3m-FBP-20-FBCER.D-R0

FL35406 (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 **7th Edition (2020) Florida Building Code** sections noted herein.

DESCRIPTION: GenFlex Perma PVC Single Ply Roof Systems for use in HVHZ jurisdictions

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

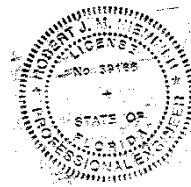
CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes 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 34-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.

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 7th 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
TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9	2011
TAS 110	Wind resistance	TAS 114, Appendix C, D or J	2011
TAS 110	Susceptibility Hail Damage	TAS 114, Appendix F	2011
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G	2011
TAS 110	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.B-RO	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 non-High Velocity Hurricane Zone jurisdictions (outside of Broward and Miami-Dade Counties).
- 5.3 The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to ‘as-tested’ conditions under **Testing Application Standard TAS 114, Appendix J**. Roof decks shall be in accordance with **FBC HVHZ** requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC HVHZ 1516** 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 **Roofing Application Standard RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.

- 5.6 Refer to **FBC HVHZ 1521** 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 **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 **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 **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 **Testing Application Standard TAS 114** has already been applied). Refer to **FBC HVHZ 1620** and **Roofing Application Standard RAS 128** for determination of design wind loads.
- 5.7.2 For mechanically attached components, 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 HVHZ 1620** or **Roofing Application Standard RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **Roofing Application Standard RAS 117** or **Roofing Application Standard RAS 137**. **This extrapolation is not permitted for systems marked with an asterisk**.
- 5.7.3 For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.
- 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 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 34-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
1B	Wood	New, Reroof (Tear-Off), Recover	C-2	Plate-Bonded Roof Cover	4
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	5
2B	Steel	New or Reroof (Tear-Off)	A-1	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	5
2C	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	5-7
2D	Steel	New, Reroof (Tear-Off)	B-2	Mech. Attached Thermal Barrier, Bonded Temp Roof, Bonded Insulation, Bonded Roof Cover	7-8
2E	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	8-10
2F	Steel	New, Reroof (Tear-Off) or Recover	C-2	Plate-Bonded Roof Cover	10
2G	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	11
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	12-18
3B	Structural concrete	New, Reroof (Tear-Off) or Recover	C-2	Plate-Bonded Roof Cover	18
4A	Lightweight concrete	New or Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation, Bonded Roof Cover	19-26
4B	Lightweight concrete	New, Reroof (Tear Off)	F	Non-Insulated, Bonded Roof Cover	26
5A	Cementitious wood fiber	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	27-28
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	28-29
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	30-33
7B	Steel	Recover	C-2	Plate-Bonded Roof Cover	34
7C	Various	Recover	F	Non-insulated, Bonded Roof Cover	34

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 HVHZ requirements to the satisfaction of the Authority Having Jurisdiction. Deck-attachment details pertain to 'as-tested' conditions under Testing Application Standard TAS 114, Appendix J.
- 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 1.25-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 HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- Preliminary insulation attachment for System Type D: Minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

- 6 Unless otherwise noted, insulation adhesive application rates are as follows. 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 Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.
- 9 For mechanically attached components, 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 HVHZ 1620 or Roofing Application Standard RAS 128. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137. *This extrapolation is not permitted for systems marked with an asterisk*
- 10 For assemblies marked with an asterisk*, 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 in accordance with Testing Application Standard TAS 105. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Should the fastener resistance be less than that required, a revised fastener spacing – prepared, signed and sealed by a qualified design professional in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137 – may be submitted to the Building Official for review and acceptance.
- 12 Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. 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 in accordance with Testing Application Standard TAS 124.

- 13 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 HVHZ 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 HVHZ 1516 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 FBC HVHZ 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 ² /gal
GenFlex Perma PVC	Perma PVC LVOC Bonding Adhesive	Substrate and roof cover underside	combined rate of 45-60 ft ² /gal
GenFlex Perma PVC	Perma PVC Water Based Bonding Adhesive	Substrate only	~140 to 180 ft ² /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 ² /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*
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*

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-10.	Vapor Shield Solvent Based Primer	GenFlex Vapor Shield Membrane		I.S.O. Spray R, 12" o.c.	-255.0*
C-VB-11.	Vapor Shield Solvent Based Primer	GenFlex Vapor Shield Membrane		G-ISO Bond, 12" o.c.	-262.5*
C-VB-12.	Vapor Shield Solvent Based Primer	GenFlex Vapor Shield Membrane		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 (HVHZ) 1620 and Roofing Application Standard RAS 128 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		
W-1	Min. 19/32-inch plywood or wood plank; 24" span; 0.113" x 2-3/8" ring shank nails 6" o.c.	(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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-67.5

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-2	Min. 19/32-inch plywood or wood plank; 24" span; 8d ring shank nails 6" o.c.	(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-3	Min. 19/32-inch plywood or wood plank; 24" span; #8 screws 6" o.c.	(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; 6 ft spans; Traxx/5 screw 6" o.c.	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-2.	Min. 22 ga., type B, Grade 33 steel; 6 ft spans; Traxx/5 screw 6" o.c.	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-3.	Min. 22 ga., type B, Grade 33 steel; 6 ft spans; Traxx/5 screw 6" o.c.	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-4.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-5.	Min. 22 ga., type B, 50 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c. or structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.8 ft ²	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-6.	Min. 22 ga., type B, 50 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.8 ft ²	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-7.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft ²	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-8.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft ²	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-9.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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
FLEECE BACK ROOF COVERS (FULL BOND):								
SC-10.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-11.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-12.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-13.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-14.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-15.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	GenFlex Perma PVC XR / Quick Dual, spatter	-82.5
FLEECE BACK ROOF COVERS (PARTIAL BOND):								
SC-16.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-17.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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

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-18.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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
SC-19.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-20.	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 ²	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-21.	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 ²	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*
SC-22.	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 ²	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*
FLEECE BACK ROOF COVERS:									
SC-23.	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 ²	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*

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-24.	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 ²	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-25.	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 ²	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-26.	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld 6" o.c. or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.8 ft ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-27.	Min. 22 ga., type B, 50 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c. or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-28.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-29.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-60.0
SC-30.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive or Perma PVC Water Based Bonding Adhesive	-67.5
SC-31.	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 ²	GenFlex Perma PVC / 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-32.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-33.	Min. 22 ga., type B, Grade 33; 6' spans; Traxx/5 screw 6" o.c. steel or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-34.	Min. 22 ga., type B, Grade 33; 6' spans; Traxx/5 screw 6" o.c. steel or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-35.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-36.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-75.0
SC-37.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-82.5
SC-38.	Min. 22 ga., type B, 60 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. or 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 ²	GenFlex Perma PVC / Perma PVC Bonding Adhesive, Perma PVC LVOC Bonding Adhesive	-82.5
FLEECE BACK ROOF COVERS (FULL BOND):							
SC-39.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	GenFlex Perma PVC XR / Perma PVC Water Based Bonding Adhesive	-67.5
SC-40.	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 ²	GenFlex Perma PVC XR / Quick Dual, spatter or Perma PVC Water Based Bonding Adhesive	-67.5
SC-41.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	GenFlex Perma PVC XR / Quick Dual, spatter	-82.5
FLEECE BACK ROOF COVERS (PARTIAL BOND):							
SC-42.	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 ²	GenFlex Perma PVC XR / I.S.O. Spray R, Quick Dual or Perma PVC XR Stick, ribbons 12-inch o.c.	-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-43.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	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-44.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft ² (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-45.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	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 ² (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-46.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screws 6" o.c., or Min. 22 ga., type B, 60 ksi steel; 6' spans; 5/8" puddle welds 6" o.c.	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 2.7 ft ² (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-47.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screws 6" o.c.	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft ² 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-48.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	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-49.	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c.	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex Perma PVC InvisiWeld Plates	1 per 2.0 ft ² (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-50.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, Teks 5 screws with 3/8" washers, 6" o.c.	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-51.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, Teks 5 screws with 3/8" washers, 6" o.c.	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-52.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, Teks 5 screws with 3/8" washers, 6" o.c.	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-53.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, Teks 5 screws with 3/8" washers, 6" o.c.	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-54.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, Teks 5 screws with 3/8" washers, 6" o.c.	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-55.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, Teks 5 screws with 3/8" washers, 6" o.c.	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 Dens Deck 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
FLEECE BACK ROOF COVERS (FULL BOND):								
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
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

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-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
FLEECE BACK ROOF COVERS (PARTIAL BOND):								
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
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

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-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	GenFast #15(WH) Fasteners or GenFast Concrete Drive and GenFlex Perma PVC InvisiWeld Plates	1 per 4.0 ft ² (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
C-65	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 ² (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-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 2.7 ft ² (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-67	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 ² 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-68	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-69	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 ² (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, NOA 18-0717.05:								
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
FLEECE BACK ROOF COVERS (FULL BOND):								
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

FLEECE BACK ROOF COVERS (PARTIAL BOND):

**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, NOA 18-0717.05:					
LWC-45	Min. 22 ga, type BV, Grade 40 steel; 6 ft span, Tek 5 screws or 5/8" puddle welds, 6" o.c.	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 I	Min. 1-inch GenFlex ISO	G-OSIA	None	G-OSIA	GenFlex Perma PVC / Perma PVC Water Based Bonding Adhesive	-67.5
CWF-6.	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-7.	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-8.	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-9.	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-10.	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-11.	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-12.	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-13.	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
CWF-14.	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-15.	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-16.	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
FLEECE BACK ROOF COVERS (PARTIAL BOND):							
CWF-17.	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-18.	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-19.	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

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-20.	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 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

**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-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
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 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 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-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 Insulfoam IX	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-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	(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-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	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-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 structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam IX	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-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	(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
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 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-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	One or more layers, min. 1.5-in Insulfoam IX	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-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 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

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)		
FLEECE BACK ROOF COVERS (FULL BOND):							
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	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-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 IX	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-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	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-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 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-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 Insulfoam IX	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-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	(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-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	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-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 structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam IX	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-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	(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

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)		
FLEECE BACK ROOF COVERS (PARTIAL BOND):							
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 IX	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-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	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-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 structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam IX	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-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	(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-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 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-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	One or more layers, min. 1.5-in Insulfoam IX	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-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 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-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 structural concrete or poured gypsum deck	One or more layers, min. 1.5-in Insulfoam IX	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-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	(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

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-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	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-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 IX	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-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	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-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 Insulfoam IX	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-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 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-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 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 5B: 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-34	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-35	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 5C: 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-36	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