



MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

GenFlex Roofing Systems
A Division of Firestone Building Products Company, LLC
250 West 96th Street
Indianapolis, IN 46260

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: GenFlex EZ TPO & GenFlex EZ Fleece Backed TPO Single Ply Roof Systems over Steel Decks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA 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 NOA revises NOA No. 12-0712.01 and consists of pages 1 through 100.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 13-1212.08
 Expiration Date: 11/27/17
 Approval Date: 09/10/15
 Page 1 of 100

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Single Ply Roofing
Material:	TPO
Deck Type:	Steel
Maximum Design Pressure:	-150 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specifications	Product Description
EZ TPO	Various	TAS 131-95	Reinforced TPO 045" to 080" thick membrane.
GenFlex EZ Fleece Backed TPO 45 mil	Various	TAS 131-95	Reinforced TPO 0.045" membrane with 8 oz. fleece backing)
GenFlex EZ Fleece Backed TPO 60 mil	Various	TAS 131-95	Reinforced TPO 0.060" membrane with 8 oz. fleece backing
GenFlex EZ Fleece Backed TPO 80 mil	Various	TAS 131-95	Reinforced TPO .080" membrane with 8 oz. fleece backing.
TPO Reinforced Curb Corner	Various	TAS 131-95	TPO curb flashing.
18" Curb Flashing	Various	TAS 131-95	TPO curb flashing.
TPO Inside/Outside Corner	Various	TAS 131-95	Molded TPO for corner flashing.
TPO Large Pipe Flashing	Various	TAS 131-95	TPO flashing for large round penetrations.
TPO T-Joint Cover	Various	TAS 131-95	TPO flashing for T-joints.
TPO Penetration Kit	Various	TAS 131-95	A penetration sealing kit for EZ TPO.
TPO Walkway Pad	Various	TAS 131-95	TPO walkway pad.
TPO Coated Metal	Various	TAS 131-95	TPO laminated to hot-dipped galvanized steel for flashing.
TPO Premium Walkway Pad	Various	TAS 131-95	TPO walkway pad.
TPO Reinforced Split Pipe Boot	Various	TAS 131-95	TPO flashing for round penetrations 1" to 9" in diameter.
TPO 8" Reinforced Cover Strip	Various	TAS 131-95	8" wide 60 mil TPO cover strip.
TPO Universal Pipe Boot	Various	TAS 131-95	TPO flashing for round penetrations 1" to 6" in diameter.
TPO Unsupported Flashing	Various	TAS 131-95	Unreinforced TPO used for flashing.
EZ Peel & Stick R.M.A. Strip	10" x 100'	TAS 131-95	Strip of EZ TPO with QuickSeam Tape for anchoring membrane to substrate.



Product	Dimensions	Test Specifications	Product Description
V-Force	45" x 134'	Proprietary	A vapor retarder made of SBS modified bitumen adhesive laminated to a woven high density polyethylene top surface
FlexWhite Clear Primer	1 gallon & 3 gallon	Proprietary	Primer for TPO Flashing.
EZ TPO FB Stick Adhesive	5 gal. pail	Proprietary	A low-rise polyurethane, low VOC, membrane adhesive.
EZ TPO Bonding Adhesive	5 gal. pail	Proprietary	Solvent based adhesive.
I.S.O. Stick	5 gal & 1500 ml	Proprietary	A dual component polyurethane adhesive.
GenFlex One Step Insulation Adhesive	1500 ml	Proprietary	A dual component polyurethane adhesive.
I.S.O. Fix II	30 lbs.	Proprietary	A single component polyurethane adhesive.
GenFlex EPDM Bonding Adhesive LVOC	5 gal. pail	Proprietary	Solvent based bonding adhesive.
EZ TPO Bonding Adhesive LOVC-1168	5 gal. pail	Proprietary	Solvent based bonding adhesive.
Water Based Bonding Adhesive P	5 gal. pail	Proprietary	Water based bonding adhesive.
GenFlex Fleece Backed Bonding Adhesive	5 gal pail	Proprietary	Solvent based adhesive.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
GenFlex ISO Insulation, GenFlex ISO Insulation Tapered	Polyisocyanurate foam insulation	Firestone Bldg. Products
GENFLEX HD ISO	Polyisocyanurate with a coated fiberglass facer	Firestone Bldg. Products
GENFLEX HD Composite ISO	Polyisocyanurate with a coated fiberglass facer composite insulation.	Firestone Bldg. Products
DensDeck, DensDeck Prime	Silicon treated gypsum	Georgia Pacific Gypsum LLC
Coated Glass Facer, Coated Glass Facer tapered	Polyisocyanurate foam core laminated to a coated fiberglass facer	Firestone Bldg. Products
SECUROCK Glass-Mat Roof Board	Gypsum fiber roof board with fiberglass facer	USG Corporation
SECUROCK Gypsum-Fiber Roof Board	Gypsum fiber roof board	USG Corporation



APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Heavy-Duty	#15 Fastener for steel, Wood, concrete decks	N/A	Firestone Bldg. Products
2.	GenFast AP Fastener	#14 Fastener for steel, Wood, concrete decks	N/A	Firestone Bldg. Products
3	Pre-Assembled Heavy Duty Fastener & Plate	#15 w/insulation plate for steel, Wood, concrete decks	N/A	Firestone Bldg. Products
4	GenFast #16 Max Fastener	Insulation and membrane fastener	Various	Firestone Bldg. Products
5	Genfast 3” Round Insuation Plate	Galvalume insulation plate	3” diameter	Firestone Bldg. Products
6	GenFast HD Seam Plates	AZ55 or AZ50 galvalume insulation plate.	2-3/8” diameter	Firestone Bldg. Products
7	HD Plus Seam Plate	Galvalume insulation plate	2¾” diameter	Firestone Bldg. Products
8	GenFast Metal Anchor Bar	Galvalume AZ55 batten strip	10’ long, 1” wide	Firestone Bldg. Products
9	GenFast Coiled Anchor Bar	Galvalume AZ55 batten strip	220’ long, 1” wide	Firestone Bldg. Products
10	GenFast ¾” Polymer Batten	Polymer, corrosion –free, batten strip.	250’ long, ¾” or 1” wide	Firestone Bldg. Products
11	EZ TPO InvisiWeld Plates	High-performance TPO membrane fastening system	3” diameter	Firestone Bldg. Products



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Underwriters Laboratories Inc.	R9516	UL 790	10/29/13
Factory Mutual Research Corporation	3006983	4470	02/08/00
	3004249	4470	11/03/99
	3003830	4470	05/26/99
	3001925	4470	05/24/99
	3014031	4470	07/22/02
	3014918	4470	12/17/03
	3012931	4470	04/04/04
	3016670	4470	04/29/04
	3017120	4470	04/30/04
	3020394	4470	09/03/04
	3022988	4470	01/28/05
	3029384	4470	06/07/10
	3027508	4470	02/07/07
	3026519	4470	12/14/06
	3026520	4470	12/14/06
	3030650	4470	08/30/10
	3019991	4470	09/20/05
	3033218	4470	08/12/08
	3030227	4470	09/30/10
	3033921	4470	01/12/09
	3035560	4470	01/11/10
	3039133	4470	04/07/11
	3035017	4470	04/15/09
	3036747	4470	02/12/10
	3040535	4470	10/05/10
	3038546	4470	12/17/10
	3038191	4470	08/04/11
	3036256	4470	04/27/09
	3038770	4470	08/04/11
	3047398	4470	01/09/15
3041939	4470	08/14/12	
3042666	4470	08/14/12	
3047700	4470	08/16/13	
3043824	4470	01/09/15	
Trinity ERD	F896048	TAS 114-F	04/15/08
	F8300.11.08-R3	TAS 131/ASTM D6878	02/25/11
	F45600.09.13-R1	TAS 131/ASTM D6878	12/30/13
PRI Construction Materials Technologies, LLC	FBP-085-02-01, R1	TAS 114 J	10/04/12
	FBP-086-02-01	TAS 114 J	10/04/12
	FBP-044-02-01.5	TAS 114-D, H, J/TAS 117(B)	02/04/14
	FBP-120-02-01	TAS 114 J	07/23/13
	FBP-148-02-01	TAS 114 J	12/18/13
	FBP-149-02-01	TAS 114 J	12/18/13
	FBP-153-02-01	TAS 114 J	12/18/13
	FBP-154-02-02	TAS 114 J	12/18/13



EVIDENCE SUBMITTED: (CONTINUED)

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
PRI Construction Materials Technologies, LLC	FBP-145-02-01	ASTM D 6878	06/26/14
	FBP-044-02-01.7	TAS 114-D, H, J/TAS 117 (B)	10/24/15
	FBP-158-02-01	TAS 114 J	04/28/14
	FBP-162-02-01.1	Physical Properties	05/15/14
	FBP-175-02-01	TAS 114 J	04/28/14
	FBP-178-02-01	TAS 114 J	04/28/14
	FBP-165-02-01	TAS 114 J	07/27/14
	FBP-184-02-01	TAS 114 J	07/27/14
	FBP-206-02-01	TAS 114 J	10/16/14
	FBP-222-02-03	TAS 114 C	04/01/15
	FBP-225-02-01	TAS 114 J	03/19/15
	FBP-230-02-01	TAS 114 J	04/02/15



APPROVED ASSEMBLIES:

Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: 18 -22 ga. Steel

System Type B(1): Membrane fully adhered over mechanically fastened insulation. Side laps are sealed with a min 1.5” heat weld.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5” thick	1 or 2 with 5	1:2ft²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Tapered Minimum ½” thick with a ¼” per ft. taper	N/A	N/A

Note: Base insulation layer shall be mechanically attached with fasteners and density described. Top insulation layer shall be adhered to the GenFlex ISO Insulation with GenFlex One Step Insulation Adhesive in ½” – ¾” wide ribbons spaced 12” o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
Or
GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in continuous 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: 18 -22 ga. Steel
System Type B(2): Membrane adhered over mechanically fastened insulation. Side laps are sealed with a min 1.5" heat weld.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	1 or 2 with 5	1:2 ft²
Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1" thick	N/A	N/A
Additional Middle Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1" thick	N/A	N/A
GenFlex ISO Insulation Tapered Minimum ½" thick with a ¼" per ft. taper	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	N/A	N/A

Note: Base layer shall be mechanically attached with fasteners and density described. All other layers of insulation shall be adhered to base insulations with GenFlex One Step Insulation Adhesive in continuous ½" – ¾" wide beads spaced 12" o.c. or I.S.O. Fix II, or I.S.O. Stick applied in continuous ¾" – 1" wide ribbons spaced 12" o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.



Membrane:

GenFlex EZ Fleece Backed TPO 45 mil, GenFlex EZ Fleece Backed TPO 60 mil, or GenFlex EZ Fleece Backed TPO 80 mil membrane adhered to the top insulation layer with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in continuous ¾” – 1” wide ribbons spaced a maximum 12” o.c. or GenFlex EZ Fleece Backed TPO is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The 2 in. wide roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure:

-45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: 18 -22 ga. Steel

System Type B(3): Membrane fully adhered over mechanically fastened insulation. Side laps are sealed with a min 1.5" heat weld.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	1 or 2 with 5	1:2 ft²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum ½" thick	N/A	N/A

Note: Base layer shall be mechanically attached with fasteners and density described. Top layer of insulation shall be adhered to base insulations with GenFlex One Step Insulation Adhesive in continuous ½" – ¾" wide beads spaced 12" o.c., or I.S.O. Fix II or I.S.O. Stick applied in continuous ¾" – 1" wide ribbons spaced 12" o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in ¾" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type B(4): Membrane adhered over mechanically fastened insulation. Side laps are sealed with a min 1.5" heat weld.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	1 or 2 with 5	1:1.6 ft²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½" thick	N/A	N/A

Note: Base layer shall be mechanically attached with fasteners and density described. Top layer of insulation shall be adhered to base insulations with GenFlex One Step Insulation Adhesive in continuous ½" – ¾" wide beads spaced 6" o.c. or I.S.O. Fix II or I.S.O. Stick applied in continuous ¾" – 1" wide ribbons spaced 6 o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: GenFlex EZ Fleece Backed TPO 45 mil, GenFlex EZ Fleece Backed TPO 60 mil, or GenFlex EZ Fleece Backed TPO 80 mil membrane adhered to the top insulation layer EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in continuous ¾" – 1" wide ribbons spaced a maximum 12" o.c. or GenFlex EZ Fleece Backed TPO is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The 2 in. wide roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.
- System Type B(5):** Membrane adhered over mechanically fastened insulation. Side laps are sealed with a min 1.5" heat weld.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2" thick	1 or 2 with 5	1:1.6 ft²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1" thick	N/A	N/A

Note: Base layer shall be mechanically attached with fasteners and density described. Top layer of insulation shall be adhered to base insulations with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide beads spaced 6" o.c., I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 6" o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: GenFlex EZ Fleece Backed TPO 45 mil, GenFlex EZ Fleece Backed TPO 60 mil, or GenFlex EZ Fleece Backed TPO 80 mil membrane adhered to the top insulation layer with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in continuous 3/4" – 1" wide ribbons spaced a maximum 12" o.c. The 2 in. wide roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fastener installed at each bearing attachment point) and Traxx 1 fasteners 12" o.c. at the side laps.
- System Type B(6):** Membrane fully adhered over mechanically fastened insulation. Side laps are sealed with a min 1.5" heat weld.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2" thick	1 or 2 with 5	1:1 ft²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A

Note: Base layer shall be mechanically attached with fasteners and density described. Top layer of insulation shall be adhered to base insulations with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide beads spaced 12" o.c. or I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 12" o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -90 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fastener installed at each bearing attachment point) and Traxx 1 fasteners 24 o.c. at the side laps.

System Type B(7): Membrane adhered over mechanically fastened insulation. Side laps are sealed with a min 1.5" heat weld.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2" thick	1 or 2 with 5	1:1 ft²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	N/A	N/A

Note: Base layer shall be mechanically attached with fasteners and density described. Top layer of insulation shall be adhered to base insulations with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide beads spaced 4" o.c., I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 4" o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -127.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. Grade 33, steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 12" o.c. at the side laps.

System Type B(8): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2" thick	1 or 2 with 5	1:1 ft²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A

Note: Base layer shall be mechanically attached with fasteners and density described. Top layer of insulation shall be adhered to base insulations with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide beads spaced 12" o.c. or I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 12" o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -90 psf. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 ga. Grade 33, steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.
- System Type B(9):** Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Coated Glass Facer Minimum 1.5" thick	1 or 2 with 5	1:1 ft²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Coated Glass Facer Minimum 1.5" thick	N/A	N/A

Note: Base layer shall be mechanically attached with fasteners and density described. Top layer of insulation shall be adhered to base insulations with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide beads spaced 12" o.c. or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 12" o.c. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -120 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. Steel

System Type B(10): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1” thick	N/A	N/A
GenFlex ISO Insulation Tapered Minimum ½” thick with a ¼” per ft. taper	N/A	N/A
Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2-¼” thick	1 or 2 with 5	1:4 ft ²

Note: Optional Base layer shall be loose laid. Middle layer shall be simultaneously fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5” thick	N/A	N/A

Note: Optional top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous ½” – ¾” wide beads spaced 12” o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous ¾” – 1” wide ribbons spaced 12” o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or
GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in ¾” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. Steel

System Type B(11): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1½” thick	1 or 2 with 5	1:2 ft²

Note: Optional Base layer shall be loose laid. Middle layer shall be simultaneously fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Minimum ½” thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous ½” – ¾” wide beads spaced 12” o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous ¾” – 1” wide ribbons spaced 12” o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EPDM Bonding Adhesive LVOCEZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
Or
GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in ¾” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. Grade 33, Type B steel deck attached to structural supports spaced a maximum of 6 ft. o.c. with Traxx/5 fasteners spaced 6" o.c. Deck laps were secured with Traxx/1 fasteners spaced 24" o.c.

System Type B(12): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½" thick	N/A	N/A
Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1½" thick	1 or 2 with 5	1:1.6 ft ²

Note: Optional Base layer shall be loose laid. Middle layer shall be simultaneously fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Minimum ½" thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous ½" – ¾" wide beads spaced 6" o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous ¾" – 1" wide ribbons spaced 6" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in ¾" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -82.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. Grade 33 or 80 (see MDP below), Type B steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type B(13): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2" thick	1 or 2 with 5	1:1 ft²

Note: Base layer shall be fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1" thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide beads spaced 4" o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 4" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -112.5 psf. on Grade 33 steel deck. (See General Limitation #7)
 -127.5 psf. on Grade 80 steel deck. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type B(14): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2" thick	1 or 2 with 5	1:1 ft²

Note: Base layer shall be fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation N Minimum 1" thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide beads spaced 4" o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 4" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -105 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6” o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 24” o.c. at the side laps.

System Type B(15): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2” thick	1 or 2 with 5	1:1 ft²

Note: Base layer shall be fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½” thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous ½” – ¾” wide beads spaced 4” o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous ¾” – 1” wide ribbons spaced 4” o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -105 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. steel

System Type B(16): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1” thick	N/A	N/A
Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2” thick	1 or 2 with 5	1:2 ft ²

Note: Base layer shall be loose laid. Middle layer shall be simultaneously fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Minimum 1/2” thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous 1/2” – 3/4” wide ribbons spaced 12” o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4” – 1” wide ribbons spaced 12” o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
Or
GenFlex EZ Fleece Backed TPO TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. and Traxx 1 fasteners 24" o.c. at the side laps.

System Type B(17): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1" thick	N/A	N/A
Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2" thick	1 or 2 with 5	1:1.6 ft ²

Note: Base layer shall be loose laid. Middle layer shall be simultaneously fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide ribbons spaced 6" o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 6" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -82.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 80 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type B(18): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1" thick	N/A	N/A
Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2" thick	1 or 2 with 5	1:1 ft²

Note: Base layer shall be loose laid. Middle layer shall be simultaneously fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive in continuous 1/2" – 3/4" wide ribbons spaced 4" o.c. or, I.S.O. Fix II or I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 4" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -135 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with 5/8" diameter puddle welds 6" o.c. (at the bottom flute), and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type B(19): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 2" thick	1 or 2 with 5	1:1.78 ft²

Note: Base layer shall be fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum Fiber Roof Board Minimum 1/2" thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 6" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -67.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with #12-24 x 1-1/4" HWH SD Screws spaced 6" o.c. (at the bottom flute), and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type B(20): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	1 or 2 with 5	1:1.78 ft²

Note: Base layer shall be fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 1.5" thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with I.S.O. Stick applied in continuous 3/4" – 1" wide ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type B(21): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	1 or 2 with 5	1:1.6 ft ²

Note: Base layer shall be fastened with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A

Note: Top layer shall be adhered to top insulation with GenFlex One Step Insulation Adhesive applied in continuous 1/2" - 3/4" wide ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: 18 -22 ga. Steel

System Type C(1): Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	1 with 11	1:5.3 ft ²
GENFLEX HD ISO, Minimum 1/2" thick	1 with 11	1:5.3 ft ²
DensDeck, DensDeck Prime Minimum 1/4" thick	1 with 11	1:5.3 ft ²
SECUROCK Gypsum Fiber Roof Board Minimum 1/2" thick	1 with 11	1:5.3 ft ²
Plywood Minimum 19/32" thick	1 with 11	1:5.3 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 6 in. wide roof cover side laps are sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type C(2): Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	1 with 11	See Design Pressure
GenFlex HD ISO Minimum 1/2" thick	1 with 11	See Design Pressure
DensDeck, DensDeck Prime Minimum 1/4" thick	1 with 11	See Design Pressure
Plywood Minimum 19/32" thick	1 with 11	See Design Pressure

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 3 in. wide roof cover side laps are sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure:	Maximum Pressure	Fastener Spacing	Fastener Row Spacing
	-45 psf. (See General Limitation #7)	12 in.	5 ft.



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: 18 -22 ga. Steel
System Type C(3): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum ½” thick	1 or 2 with 5	1:2.7ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1” thick	1 or 2 with 5	1:2.7 ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ¼” thick	1 or 2 with 5	1:2.7 ft²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:2.7 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6” o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24” o.c. at the side laps.
System Type C(4): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
GenFlex HD ISO Minimum 1” thick	1 or 2 with 5	1: 1.8 ft ²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1” thick	1 or 2 with 5	1: 1.8 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Boards Minimum 1/4” thick	1 or 2 with 5	1: 1.8 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:1.8 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6” o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24” o.c. at the side laps.
System Type C(5): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
GenFlex ISO Insulation, COATED GLASS FACER		
Minimum 1.5” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
GenFlex HD ISO		
Minimum ½” thick	1 or 2 with 5	1: 1.33 ft ²
GenFlex ISO Insulation, Coated Glass Facer		
Minimum 1” thick	1 or 2 with 5	1: 1.33 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Board		
Minimum 1/4” thick	1 or 2 with 5	1: 1.33 ft ²
GENFLEX HD ISO Composite		
Minimum 1-1/2” thick	1 or 2 with 5	1: 1.33 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.
- System Type C(6):** Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 1" thick	1 or 2 with 5	1: 1.33 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

- Membrane:** EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
- Or
- GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

- Maximum Design Pressure:** -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 gauge Grade 33 steel deck secured to supports space a maximum 6' o.c. with ITW Buildex Traxx/5 spaced 6" o.c. Side laps fastened with ITW Buildex Traxx/1 spaced 24" o.c.
System Type C(7): All layers of insulation simultaneously attached, membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 1.5" thick	1 or 2 with 5	1: 1.78 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Barrier: None.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 30" o.c. at the side laps.

System Type C(8): Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO, GenFlex ISO Insulation Minimum ½" thick	1 with 11	1:4 ft²
SECUROCK Gypsum Fiber Roof Board Minimum 1/2" thick	1 with 11	1:4 ft²
DensDeck, DensDeck Prime Minimum ¼" thick	1 with 11	1:4 ft²
Plywood Minimum 19/32" thick	1 with 11	1:4 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 6 in. wide roof cover side laps are sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 gauge Grade 33 steel deck secured to supports space a maximum 6' o.c. with ITW Buildex Traxx/5 spaced 6" o.c. Side laps fastened with ITW Buildex Traxx/1 spaced 24" o.c.
System Type C(9): All layers of insulation simultaneously attached, membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Plywood Minimum 19/32" thick	1 or 2 with 5	1:2 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Barrier: None.
Membrane: EZ TPO membrane fully adhered to the cover board with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC or GenFlex EZ TPO Bonding Adhesive LOVC-1168 roller at a rate of 60 ft²./gal. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
Maximum Design Pressure: -75 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 30" o.c. at the side laps.

System Type C(10): Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	1 with 11	1:2.7 ft ²
GenFlex ISO Insulation, SECUROCK Gypsum Fiber Roof Board Minimum ½" thick	1 with 11	1:2.7 ft ²
DensDeck, DensDeck Prime Minimum ¼" thick	1 with 11	1:2.7 ft ²
Plywood Minimum 19/32" thick	1 with 11	1:2.7 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 6 in. wide roof cover side laps are sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 18-22 ga. Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners and 3/4" washers spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 12" o.c. at the side laps
System Type C(11): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum Fiber Roof Board Minimum 1/2" thick	1 with 5 1 with 5 or 4 or 2 with 5	1:1.33 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 with 6 or 5 or 2 with 6	1:1.33 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 gauge, Type B, Grade 33 steel deck attached to ¼” steel structural supports spaced a maximum 6ft. o.c. secured with ITW Buildex Traxx 5 fasteners spaced maximum 6” o.c. at supports. Side laps, secured 24” o.c. with ITW Buildex TRAXX 1 fasteners.

System Type C(12): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2” thick	1 with 5 or 4	1:1.6 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½” thick	1 with 5 or 4	1:1.6 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 with 5 or 4	1:1.6 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.
- System Type C(13):** Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	1 with 11	See Design Pressure
GenFlex HD ISO Minimum 1/2" thick	1 with 11	See Design Pressure
DensDeck, DensDeck Prime Minimum 1/4" thick	1 with 11	See Design Pressure
Plywood Minimum 19/32" thick	1 with 11	See Design Pressure

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 3 in. wide roof cover side laps are sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure:	Maximum Pressure	Fastener Spacing	Fastener Row Spacing
	-82.5 psf. (See General Limitation #7)	6 in.	5 ft.



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.
System Type C(14): Membrane adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2" thick	1 or 2 with 5	1:1.6 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½" thick	1 or 2 with 5	1:1.6 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:1.6 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 6" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -82.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 gauge, Type B, Grade 33 steel deck secured to ¼” steel structural supports spaced a maximum 6ft. o.c. secured with ITW Buildex Traxx 5 fasteners spaced maximum 6” o.c. at supports. Side laps, secured 24” o.c. with ITW Buildex TRAXX 1 fasteners.
System Type C(15): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5” thick	1 or 2 with 5 or 4	1:1.33 ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2” thick	1 or 2 with 5 or 4	1:1.33 ft²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5 or 4	1:1.33 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOCC, or LVOCEZ TPO Bonding Adhesive LOVCC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -90 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 12" o.c. at the side laps.

System Type C(16): Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	1 with 11	1:2 ft ²
GenFlex HD ISO Minimum 1/2" thick	1 with 11	1:2 ft ²
DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board Minimum 1/4" thick	1 with 11	1:2 ft ²
Plywood Minimum 19/32" thick	1 with 11	1:2 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 6 in. wide roof cover side laps are sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -105 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22ga. Type B, Grade 33 Steel Deck secured to ¼” thick supports spaced maximum 6 ft. o.c. with Traxx/5 fasteners spaced 6”o.c. at supports (two fasteners at each bearing attachment point). Side laps secured with Traxx/1 fasteners at 24”o.c.
System Type C(17): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2” thick	1 or 2 with 5	1:1 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½” thick	1 or 2 with 5	1:1 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:1 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressures: -112.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type C(18): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 1.5" thick	1 or 2 with 5	1: 1.33 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -112.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type C(19): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 2" thick	1 or 2 with 5	1: 1.33 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -120 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fastener installed at each bearing attachment point) and Traxx 1 fasteners 12" o.c. at the side laps.
System Type C(20): Membrane adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2" thick	1 or 2 with 5	1:1 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:1 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:1 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: GenFlex EZ Fleece Backed TPO 45 mil, GenFlex EZ Fleece Backed TPO 60 mil, or GenFlex EZ Fleece Backed TPO 80 mil membrane adhered to the top insulation layer with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in continuous 3/4" – 1" wide ribbons spaced 4" o.c. The 2 in. wide roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -142.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 18-22 ga. Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 12" o.c. at the side laps.

System Type C(21): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Plywood Minimum 19/32" thick	1 or 5 with 6	1:1 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO membrane fully adhered to the cover board with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, EZ TPO Bonding Adhesive LVOC -1168 applied at a rate of 60 ft²/gal. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressures: -112.5 psf. with GenFlex EPDM Bonding Adhesive LVOC
(See General Limitation #7)
-150 psf. with EZ TPO Bonding Adhesive or GenFlex EPDM Bonding Adhesive LVOC or EZ TPO Bonding Adhesive LOVC-1168.
(See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22ga. Grade 80 Steel Deck secured to ¼” thick supports spaced maximum 6 ft. o.c. with Traxx/5 fasteners spaced 6”o.c. at supports (two fasteners at each bearing attachment point). Side laps secured with Traxx/1 fasteners at 24”o.c.
System Type C(22): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2” thick	1 or 2 with 5	1:1 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2” thick	1 or 2 with 5	1:1 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:1 ft ²

Note: Insulation layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
Maximum Design Pressures: -112.5 psf. with GenFlex EPDM Bonding Adhesive LVOC (See General Limitation #7)
 -150 psf. with EZ TPO Bonding Adhesive or GenFlex EPDM Bonding Adhesive LVOC or EZ TPO Bonding Adhesive LOVC-1168. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 ga. (0295") Grade 33 or 80 (see MDP below) steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.
- System Type C(23):** All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
COATED GLASS FACER Minimum 2" thick	1 or 2 with 5	1:1 ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:1 ft²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:1 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

- Membrane:** EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
- Or
- GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design

- Pressure:** -112.5 psf. on Grade 33 steel deck (See General Limitation #7)
-150 psf. on Grade 80 steel deck (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 ga. (0295”) Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6” o.c. (two fasteners installed at each bearing attachment point) and Traxx 1 fasteners 24” o.c. at the side laps.
- System Type C(24):** All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
COATED GLASS FACER Minimum 2” thick	1 or 2 with 5	1:1.6 ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2” thick	1 or 2 with 5	1:1 ft²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:1 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

- Membrane:** EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
- Or
- GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

- Maximum Design Pressure:** -82.5 psf. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 ga. (0295”) Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6” o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24” o.c. at the side laps.
- System Type C(25):** All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
COATED GLASS FACER Minimum 2” thick	1 or 2 with 5	1:1.33 ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2” thick	1 or 2 with 5	1:1.33 ft²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:1.33 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -105 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. (0295”) Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6” o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24” o.c. at the side laps.
System Type C(26): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Coated Glass Facer , GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:1.6 ft²
GenFlex ISO Insulation Minimum 2” thick	1 or 2 with 5	1:1.6 ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2” thick	1 or 2 with 5	1:1.6 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and side laps stitched 12" o.c. with 1/4" - 14 x 7/8" HWH screws with 1/2" washer
System Type C(27): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, RESITA Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	1 or 2 with 5	1:1.78 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:1.78 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:1.78 ft ²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: 18-22 ga. steel deck
System Type C(28): Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum ½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1¼” thick	1 or 2 with 5	1:2.7 ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2” thick	1 or 2 with 5	1:2.7 ft²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:2.7 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: 18-22 ga. steel deck

System Type C(29): Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1½” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum ½” thick	1 or 2 with 5	1:2.1 ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1” thick	1 or 2 with 5	1:2.1 ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/4” thick	1 or 2 with 5	1:2.1 ft²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1:2.1 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or TPO Bonding Adhesive LVOC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with 5/8" diameter puddle welds 6" o.c. (at the bottom flute), and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type C(30): Membrane bonded over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	1 with 11	1:4 ft²
GENFLEX HD ISO Composite Minimum 1 1/2" thick	1 with 11	1:4 ft²
GenFlex HD ISO Minimum 1/2" thick	1 with 11	1:4 ft²
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	1 with 11	1:4 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO is induction welded to the EZ TPO InvisiWeld Plates and fastened with Firestone Heavy-Duty. The minimum 3-1/2 in. wide roof cover side laps are sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel is secured to supports spaced 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and side laps stitched 12" o.c. with 1/4" – 14 x 7/8" HWH screws.

System Type C(31): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	1 or 2 with 5	1:1.78 ft²
Coated Glass Facer Minimum 1" thick	1 or 2 with 5	1:1.78 ft²
GenFlex ISO Insulation, GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:1.78 ft²
DensDeck Prime Minimum 1/2" thick	1 or 2 with 5	1:1.78 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel deck is secured to supports spaced 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and side laps stitched 12" o.c. with 1/4" – 14 x 7/8" HWH screws.
System Type C(32): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations:

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2" thick	1 or 2 with 5	1:2.67 ft ²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:2.67 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:2.67 ft ²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with #12-24 x 1-1/4" HWH SD Screws spaced 6" o.c. (at the bottom flute) , and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type C(33): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:1.78 ft²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:1.78 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or TPO Bonding Adhesive LVOC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with #12-24 x 1-1/4" HWH SD Screws spaced 6" o.c. (at the bottom flute) , and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type C(34): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Coated Glass Facer Minimum 1" thick	1 or 2 with 5	1:6 ft²
GenFlex ISO Insulation, GENFLEX HD Composite ISO Minimum 1-1/2" thick	1 or 2 with 5	1:1.78 ft²
SECUROCK Gypsum Fiber Roof Board, DensDeck Prime Minimum 1/2" thick	1 or 2 with 5	1:1.78 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. Grade 80 steel deck secured to supports space at maximum 6 ft. o.c. with ITW Buildex Traxx/5 spaced at 6" o.c. (one fastener installed at each bearing attachment point) Side lap fastened with ITW Buildex Traxx/1 spaced at 30" o.c.

System Type C(35): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1.5" thick	1 with 5 or 11	1:2 ft ²
GenFlex HD ISO Minimum ½" thick	1 with 5 or 11	1:2 ft ²
DensDeck Prime, SECUROCK Gypsum Fiber Roof Board Minimum ¼" thick	1 with 5 or 11	1:2 ft ²

Note: All insulation plates are secured to the deck with Insulation Fastener listed above (1). Insulation plates are placed in four rows. The first row of plates are placed 6 in. from the 8 ft. long edges of the board with subsequent rows of plates placed 12 in. o.c. The first plate of each row is placed 12in. from the 4 ft. long edges of the board with subsequent plates placed 24 in. o.c. The rows of plates securing the insulations boards shall consist of alternating rows of Insulation Plates listed above (6 and 12).

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 6" wide roof cover side laps are sealed with a minimum 1.5" wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -67.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. Grade 33, Type B steel deck secured to supports space at a maximum 6 ft. o.c. with #12-24 x 1-1/4" HWH SD screws and with panel laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.
System Type C(36): All layers of insulation simultaneously attached; membrane bonded.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Barrier V-Force self-adhered to top of each deck rib with 3" wide side laps

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer , GENFLEX HD ISO Composite Minimum 2-1/2" thick	1 with 11	1:4.00 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 3" wide roof cover side laps are sealed with a minimum 1.5" wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. Grade 33 steel deck secured to supports space at maximum 6 ft. o.c. with #12-24 x 1-1/4" HWH SD screws and with panel laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.
System Type C(37): All layers of insulation simultaneously attached; membrane bonded.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier 1/4" minimum thick SECUROCK Gypsum-Fiber Roof Board loose laid

Vapor Barrier V-Force self-adhered to top of fire barrier with 3" wide side laps

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer, GENFLEX HD ISO Composite Minimum 2.5" thick	1 with 11	1:4.00 ft²

Note: Insulation boards installed with length perpendicular to deck ribs. Board ends offset 6" from preceding row. All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 3" wide roof cover side laps are sealed with a minimum 1.5" wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. Grade 33, Type B steel deck secured to supports space at maximum 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and panel laps stitched 24" o.c. with 1/4" – 14 x 7/8" HWH screws.
System Type C(38): All layers of insulation simultaneously attached; membrane bonded.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	1 with 11	1:2.67 ft²
GenFlex HD ISO Minimum 1/2" thick	1 with 11	1:2.67 ft²
DensDeck , SECUROCK Gypsum Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum 1/4" thick	1 with 11	1:2.67 ft²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 with 11	1:2.67 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO is bonded to the EZ TPO InvisiWeld Plates using a RhinoBond Portable Bonding Tool and weighted RhinoBond Cooling Clamps. The minimum 2" wide side laps are sealed with a minimum 1.5" wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. Grade 33, Type B steel deck secured to supports space at maximum 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and panel laps stitched 24" o.c. with 1/4" – 14 x 7/8" HWH screws.

System Type C(39): All layers of insulation simultaneously attached; membrane bonded.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:1.78 ft ²

Note: : All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -82.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel is secured to supports spaced 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and side laps stitched 24" o.c. with 1/4" – 14 x 7/8" HWH screws.
System Type C(40): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:2.13 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel is secured to supports spaced 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and side laps stitched 24" o.c. with 1/4" – 14 x 7/8" HWH screws.

System Type C(41): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:1.6 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or EZ TPO Bonding Adhesive LVOC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -67.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. steel
System Type C(42): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1-1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	1 or 2 with 5	1:2.7 ft ²
Coated Glass Facer Minimum 1" thick	1 or 2 with 5	1:2.7 ft ²
GenFlex ISO Insulation, GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:2.7 ft ²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. steel

System Type C(43): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	1 or 2 with 5	1:2.7 ft²
Coated Glass Facer R Minimum 1" thick	1 or 2 with 5	1:2.7 ft²
GenFlex ISO Insulation, GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:2.7 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design

Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. steel

System Type C(44): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Retarder: Polyethylene Sheet 4-6 mil thick with Min. 2” wide laps sealed with duct tape.
(Optional)

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, GenFlex ISO Insulation tapered, Coated Glass Facer, Coated Glass Facer Tapered Minimum 1-1/2” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2” thick	1 or 2 and 6	1:4 ft ²
GENFLEX HD ISO Composite Minimum 1-1/2” thick	1 or 2 with 5	1: 4 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO (over SECUROCK only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design

Pressure: -45 psf. (See General Limitation #9)



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Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. steel
System Type C(45): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1” thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2” thick	1 or 2 with 5	1: 4.00 ft ²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4” to 1” wide ribbons spaced a maximum 12” o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -62.5 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., steel
System Type C(46): Membrane fully adhered over mechanically fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1-1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	1 or 2 with 5	1:2.70 ft²
Coated Glass Facer Minimum 1" thick	1 or 2 with 5	1:2.70 ft²
GENFLEX HD ISO Composite, GenFlex ISO Insulation Minimum 1-1/2" thick	1 or 2 with 5	1: 2.70 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #9)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with #12-24 x 1-1/4" HWH SD Screws spaced 6" o.c. (at the bottom flute) , and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type C(47): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:2.13 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -67.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with #12-24 x 1-1/4" HWH SD Screws spaced 6" o.c. (at the bottom flute) , and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.
System Type C(48): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:1.78 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.
 Or
 GenFlex EZ Fleece Backed TPO roof cover is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with 5/8" puddle welds spaced 6" o.c. at each flute and with side laps attached using 1/4" -14 x 7/8" HWH fasteners spaced 24" o.c.

System Type C(49): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	N/A	N/A
GENFLEX HD ISO Composite Minimum 1-1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 or 2 with 5	1:1.78 ft²
Coated Glass Facer Minimum 2" thick	1 or 2 with 5	1:1.78 ft²
GenFlex HD ISO Composite Minimum 1-1/2" thick	1 or 2 with 5	1:1.78 ft²

Note: All layers shall be simultaneously fastened. See top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions. If larger panels are used, the number of fasteners shall be increased using the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EZ TPO roof cover is fully adhered with EZ TPO Bonding Adhesive, GenFlex EPDM Bonding Adhesive LVOC, or GenFlex EZ TPO Bonding Adhesive LOVC-1168 applied at a rate of 60ft²/gallon (120 ft²/gallon to both the underside of membrane and the substrate) or Water Based Bonding Adhesive P applied at a rate of 100-120ft²/gallon. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO (over SECUROCK and DensDeck only) roof cover is fully adhered to with hot asphalt or Owens Corning PermaMop applied in the EVT range at a rate of 25-30 lbs./sq. or GenFlex Fleece Backed Bonding Adhesive at a rate of 70-90 ft²/gal to the substrate only. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Or

GenFlex EZ Fleece Backed TPO is adhered with EZ TPO FB Stick Adhesive or Millennium PG-1 Pump Grade Adhesive applied in 3/4" to 1" wide ribbons spaced a maximum 12" o.c. The roof cover side and end laps are sealed with a minimum 1.5 in. heat weld.

Maximum Design

Pressure: -52.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 80 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 4 or 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type D(1): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum ½" thick	N/A	N/A
Coated Glass Facer Minimum 1" thick	N/A	N/A
GENFLEX HD ISO Composite Minimum 2" thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum ½" thick	N/A	N/A
DensDeck, SECUROCK Glass-Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO (.060" min.) mechanically fastened to the deck through the insulation using Heavy-Duty and HD Seam Plate spaced 12" o.c. along the seam within minimum 6" wide roof laps. Fastener rows are spaced at maximum 90" o.c. and sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 18-22 ga. Grade 33, steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. and Traxx 1 fasteners 24" o.c. at the side laps.

System Type D(2): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: Mechanically attach EZ Peel & Stick R.M.A. Strips with Heavy-Duty 6" o.c. in GenFast Coiled Anchor Bar centered within the 4" wide center section of the EZ Peel & Stick R.M.A. Strips in rows 10 ft. o.c. EZ TPO roof cover is adhered to the EZ Peel & Stick R.M.A. Strips by first priming the underside of the roof cover, at the strip locations, with FlexWhite Clear Primer and placing the primed portion of the roof cover onto the strips. Minimum 2" wide side laps are sealed with a minimum 1.5" wide heat weld.

Or

Mechanically attach EZ TPO membrane with GenFast #16 Max fastener 12" o.c. in ¾" or GenFast ¾" Polymer Batten Strips centered within the 6" wide side laps in rows 9-½ ft. o.c. The roof cover laps are sealed with a minimum 5" heat weld.

Maximum Design

Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. Grade 80 steel deck secured to supports space at maximum 6 ft. o.c. with ITW Buildex Traxx/5 spaced at 6" o.c. Side lap fastened with ITW Buildex Traxx/1 spaced at 24" o.c.
System Type D(3): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum ½" thick	N/A	N/A
Coated Glass Facer Minimum 1" thick	N/A	N/A
GENFLEX HD ISO Composite Minimum 2" thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Glass-Mat Roof Board, SECUROCK Gypsum-Fiber Board, DensDeck, DensDeck Prime Minimum ¼" thick	N/A	N/A
GenFlex HD ISO Minimum ½" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements.

Barrier: None.
Membrane: EZ TPO (45-80 mils) Reinforced Membrane attached to deck through the preliminary attached insulation as specified below.
Fastening: Membrane is mechanically attached using Heavy-Duty and HD Seam Plate spaced 6" o.c. within minimum 6" wide laps. Laps are spaced at maximum 14" o.c. and sealed with a minimum 1.5" wide heat weld.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Type B, Grade 33 steel deck is secured to supports spaced 6 ft. o.c. with Traxx 5 fasteners spaced 6" o.c. (one fastener installed at each bearing attachment point) and Traxx 1 fasteners 24" o.c. at the side laps.

System Type D(4): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO roof cover is attached to the deck with Genfast #16 Max Fastener and HD Plus Seam Plates spaced 6 in. o.c. within the 6 in. wide side laps. Fastener rows are spaced 14 in. o.c. The roof cover side laps are sealed with a 1.5 in. wide heat weld placed along the outside edge of the lap.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 18-22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. using Traxx 5 fasteners spaced 6" o.c. (at the bottom flute), and with side laps attached using Traxx 1 fasteners spaced 24" o.c.
- System Type D(5):** All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

- Membrane:** EZ TPO mechanically fastened to the deck through the insulation as described below:
- Fastening #1:** Membrane is mechanically attached using Genfast #16 Max Fastener and HD Plus Seam Plates spaced 6" o.c. within minimum 6" wide laps. Laps are spaced at maximum 142" o.c. and sealed with a minimum 1.5" heat weld.
Maximum Design Pressure: -60 psf. (See General Limitation #7)
- Fastening #2:** Membrane is mechanically attached using Genfast #16 Max Fastener and GenFast Coiled Anchor Bar with fasteners spaced 6" o.c. along the anchor bar within minimum 6" wide laps. Laps are spaced at maximum 142" o.c. and sealed with a minimum 5" wide heat weld that encapsulates the fasteners and batten strip.
Maximum Design Pressure: -60 psf. (See General Limitation #7)
- Fastening #3:** Membrane is mechanically attached using Genfast #16 Max Fastener and HD Plus Seam Plates spaced 6" o.c. within minimum 6" wide laps. Laps are spaced at maximum 114" o.c. and sealed with a minimum 1.5" heat weld.
Maximum Design Pressure: -67.5 psf. (See General Limitation #7)
- Fastening #4:** Membrane is mechanically attached using Genfast #16 Max Fastener and GenFast Coiled Anchor Bar with fasteners spaced 6" o.c. along the anchor bar within minimum 6" wide laps. Laps are spaced at maximum 114" o.c. and sealed with a minimum 5" wide heat weld that encapsulates the fasteners and batten strip.
Maximum Design Pressure: -67.5 psf. (See General Limitation #7)

Maximum Design Pressure: See Fastening Options Above



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 22 gauge Grade 33 steel deck secured to supports space at maximum 6 ft. o.c. with ITW Buildex Traxx/5 spaced 6" o.c. Side laps fastened with ITW Buildex Traxx/1 spaced 24" o.c.
- System Type D(6):** Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum ¼" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four (4) fasteners for any insulation board having no dimension greater than 8 ft.

- Barrier:** None.
- Membrane:** EZ TPO (45-80 mils) Reinforced Membrane attached through the preliminary attached insulation as described below.
- Fastening #1:** Membrane is mechanically attached using GenFast #16 Max Fastener and HD Plus Seam Plates spaced 12" o.c. within minimum 6" wide laps. Laps are spaced at maximum 90" o.c. and sealed with a minimum 1.5" heat weld.
(Maximum Design Pressure:-45 psf.; See General Limitation #7.)
- Fastening #2:** Membrane is mechanically attached using GenFast #16 Max Fastener and GenFlex Metal Anchor Bar centered within minimum 6" wide laps. Fasteners are spaced 6" o.c. along the anchor bar. Anchor bar rows are spaced 90" o.c. and sealed with a minimum 5" heat weld.
(Maximum Design Pressure:-82.5 psf.; See General Limitation #7.)
- Fastening #3:** Membrane is mechanically attached using GenFast #16 Max Fastener and HD Plus Seam Plates spaced 6" o.c. within minimum 6" wide laps. Laps are spaced at maximum 90" o.c. and sealed with a minimum 5" heat weld.
(Maximum Design Pressure:-82.5 psf.; See General Limitation #7.)
- Maximum Design Pressure:** See Fastening Options Above



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. Grade 80 steel deck secured to supports space at maximum 6 ft. o.c. with ITW Buildex Traxx/5 spaced at 6" o.c. Side lap fastened with ITW Buildex Traxx/1 spaced at 24" o.c.

System Type D(7): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum ¼" thick	N/A	N/A

Note: All insulation shall have preliminary attachment, prior to the installation of the roofing membrane at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Barrier: None.

Membrane: EZ TPO Reinforced Membrane attached to deck through the preliminary attached insulation as specified below.

Fastening #1: Membrane is mechanically attached using GenFast #16 Max Fastener and HD Plus Seam Plates spaced 12" o.c. within minimum 6" wide laps in rows 9'-6" o.c. Laps sealed with a minimum 5" wide hot air heat weld.
(Maximum Design Pressure:-45 psf.; See General Limitation #7.)

Fastening #2: Membrane is mechanically attached using Heavy-Duty and GenFlex Metal Anchor Bars centered within the 6" wide side laps. Fasteners spaced 6" o.c. along the anchor bar. Anchor bar rows were spaced 9'-6" o.c. Laps sealed with a minimum 5" wide hot air heat weld.
(Maximum Design Pressure:-75 psf.; See General Limitation #7.)

Fastening #3: Membrane is mechanically attached using Heavy-Duty and GenFast ¾" wide Polymer Batten Strips centered within the 6" wide side laps. Fasteners spaced 6" o.c. along the batten bar. Batten bar rows were spaced 9'-6" o.c. Laps sealed with a minimum 5" wide hot air heat weld.
(Maximum Design Pressure:-60 psf.; See General Limitation #7.)



Fastening #4: Membrane is mechanically attached using GenFast #16 Max Fastener and GenFast 3/4" wide Polymer Batten Strips centered within the 6" wide side laps. Fasteners spaced 6" o.c. along the batten bar. Batten bar rows were spaced 9'-6" o.c. Laps sealed with a minimum 5" wide hot air heat weld.
(Maximum Design Pressure:-75 psf.; See General Limitation #7.)

Fastening #5: Membrane is mechanically attached using Heavy-Duty and HD Seam Plate 12" o.c. within minimum 6" wide laps. Laps are spaced 90" o.c. and sealed with minimum 1.5" heat weld.
(Maximum Design Pressure:-45 psf.; See General Limitation #7.)

Fastening #6: Membrane is mechanically attached using GenFast #16 Max Fastener and HD Plus Seam Plates spaced 12" o.c. within minimum 6" wide laps. Laps are spaced a maximum 114" o.c. and sealed with minimum 1.5" heat weld.
(Maximum Design Pressure:-45 psf.; See General Limitation #7.)

Fastening #7: Membrane is mechanically attached using GenFast #16 Max Fastener and HD Plus Seam Plates spaced 6" o.c. within minimum 6" wide laps. Laps are spaced at maximum 90" o.c. and sealed with minimum 5" heat weld.
(Maximum Design Pressure:-90 psf.; See General Limitation #7.)

Fastening #8: Membrane is mechanically attached using GenFast #16 Max Fastener and GenFast Metal Anchor Bar centered with the minimum 6" wide laps. Fasteners are spaced 6" o.c. along the anchor bars. Anchor bar rows are spaced at maximum 90" o.c. and sealed with minimum 5" heat weld.
(Maximum Design Pressure:-97.5 psf.; See General Limitation #7.)

Maximum Design Pressure: See Fastening Options Above

Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 18-22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. using Traxx 5 fasteners spaced 6" o.c. (at the bottom flute) two fasteners at each bearing attachment point, and with side laps attached using Traxx 1 fasteners spaced 14" o.c.

System Type D(8): All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum 1/2" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO mechanically fastened to the deck through the insulation as described below:

Fastening: Genfast #16 Max Fasteners spaced 6 in. o.c. along 1" wide GenFast Coiled Anchor Bar centered within the 6 in. wide laps spaced 4-1/2 ft. o.c. The roof cover side laps are sealed with a minimum 5 in. wide heat weld.

Maximum Design Pressure: -112.5 psf. (See General Limitation #7)



- Membrane Type:** Single Ply, TPO, Reinforced
- Deck Type 2I:** Steel, Insulated
- Deck Description:** Minimum 18-22 ga., Grade 80 steel decking attached to steel supports spaced 6 ft. o.c. using Traxx 5 fasteners spaced 6" o.c. (at the bottom flute), and with side laps attached using Traxx 1 fasteners spaced 24" o.c.
- System Type D(9):** All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1.5" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

- Membrane:** EZ TPO mechanically fastened to the deck through the insulation as described below:
- Fastening #1:** Membrane is mechanically attached using Heavy-Duty and GenFast HD Seam Plate spaced 6" o.c. within minimum 6" wide laps. Laps are spaced at maximum 142" o.c. and sealed with a minimum 1.5" heat weld.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)
- Fastening #2:** Membrane is mechanically attached using Heavy-Duty and 1" wide GenFast Coiled Anchor Bar with fasteners spaced 6" o.c. along the anchor batten bar within minimum 6" wide laps. Laps are spaced at maximum 142" o.c. and sealed with a minimum 5" wide heat weld that encapsulates the fasteners and batten strip.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)
- Fastening #3:** Membrane is mechanically attached using GenFast #16 Max Fastener 3/4" GenFast Polymer Batten Strips with fasteners spaced 6" o.c. along the batten bar in rows spaced 142" o.c. and along one intermediate field row centered in the field of the sheet. Side laps are sealed with a minimum 5" heat weld and the intermediate field row is covered with a minimum 5" wide strip of EZ TPO and sealed with a minimum 1.5" heat weld on either side of the batten.
Maximum Design Pressure: -135 psf. (See General Limitation #7)
- Fastening #4:** Membrane is mechanically attached using Heavy-Duty and 3/4" GenFast Polymer Batten Strips with fasteners spaced 6" o.c. along the batten bar within minimum 6" wide laps. Laps are spaced at maximum 68" o.c. and sealed with a minimum 5" wide heat weld that encapsulates the fasteners and batten strip.
Maximum Design Pressure: -82.5 psf. (See General Limitation #7)

Maximum Design Pressure: See Fastening Options Above



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. 33 ksi, Type B steel deck is secured to supports spaced 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and side laps stitched 12" o.c. with 1/4" – 14 x 7/8" HWH screws with 1/2" washer.

System Type D(10): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation Minimum 1/2" thick	N/A	N/A
Coated Glass Facer Minimum 1" thick	N/A	N/A
GENFLEX HD ISO Composite Minimum 2" thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A
DensDeck, SECUROCK Glass-Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO (.060" min.) mechanically fastened to the deck through the insulation using Heavy-Duty and GenFlex HD Seam Plates spaced 6" o.c. along the seam within minimum 6" wide laps. Laps are spaced at maximum 14" o.c. and sealed with minimum 1.5" wide heat welds.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. using Traxx 5 fasteners spaced 6” o.c. (at the bottom flute), and with side laps attached using Traxx 1 fasteners spaced 24” o.c.

System Type D(11): All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1½” thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum ½” thick	N/A	N/A
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum ¼” thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using Heavy-Duty and GenFlex HD Seam Plates spaced 6” o.c. along the seam within minimum 6” wide laps. Laps are spaced at maximum 114” o.c. and sealed with a minimum 1.5” wide heat weld.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with 5/8" diameter puddle welds 6" o.c. (at the bottom flute), and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type D(12): All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 1 1/2" thick	N/A	N/A
Coated Glass Facer Minimum 1" thick	N/A	N/A
DensDeck, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum 1/4" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO (.060" min.) mechanically fastened to the deck through the insulation using GenFast #16 Max Fasteners and HD Plus Seam Plates spaced 6" o.c. along the seam within minimum 6" wide laps. Laps are spaced at maximum 114" o.c. and sealed with minimum 1.5" wide heat welds.

Maximum Design Pressure: -67.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with 5/8" diameter puddle welds 6" o.c. (at the bottom flute), and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type D(13): All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GENFLEX HD ISO Composite Minimum 2" thick	N/A	N/A
Coated Glass Facer Minimum 1" thick	N/A	N/A
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A
GenFlex ISO Insulation Minimum 1 1/2" thick	N/A	N/A
DensDeck, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum 1/4" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO (.060" min.) mechanically fastened to the deck through the insulation using Heavy-Duty and GenFlex HD Seam Plate spaced 6" o.c. along the seam within minimum 6" wide laps. Laps are spaced at maximum 114" o.c. and sealed with minimum 1.5" wide heat welds.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with 5/8" diameter puddle welds 6" o.c. (at the bottom flute), and with side laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type D(14): All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
GENFLEX HD ISO Composite Minimum 1.5" thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
GENFLEX HD ISO Composite Minimum 2" thick	N/A	N/A
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A
DensDeck, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum 1/4" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using Heavy-Duty and GenFlex HD Seam Plate spaced 6" o.c. along the seam within minimum 7" wide laps. Laps are spaced at maximum 89" o.c. and sealed with a minimum 1.5" wide heat weld.

Maximum Design Pressure: -60 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with 5/8" diameter puddle welds.

System Type D(15): All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
GenFlex HD Composite ISO Minimum 1-1/2" thick	N/A	N/A
DensDeck, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum 1/4" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using GenFast #16 Max Fasteners and HD Plus Seam Plates spaced 6" o.c. along the seam within minimum 6" wide laps. Laps are spaced at maximum 14" o.c. and sealed with a minimum 1.5" wide heat weld.

Maximum Design Pressure: -67.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga., Grade 33, Type B steel decking attached to steel supports spaced 6 ft. o.c. with 5/8" diameter puddle welds.

System Type D(16): All layers of insulation and membrane simultaneously attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex HD ISO Minimum 1/2" thick	N/A	N/A
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
GenFlex HD Composite ISO Minimum 1-1/2" thick	N/A	N/A
DensDeck, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board Minimum 1/4" thick	N/A	N/A

Note: All layers of insulation and membrane shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using GenFast #16 Max Fastener and HD Plus Seam Plates spaced 12" o.c. along the seam within minimum 6" wide laps. Laps are spaced at maximum 90" o.c. and sealed with a minimum 1.5" wide heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. Grade 33 steel deck secured to supports space at maximum 6 ft. o.c. with #12-24 x 1-1/4" HWH SD screws and with panel laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type D(17): All layers of insulation simultaneously attached; membrane mechanically fastened.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Barrier V-Force self-adhered to the top of each rib with 3" wide side laps

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1-1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer, GenFlex HD Composite ISO Minimum 1/2" thick	1 and 5	1:5.33 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using Heavy Duty fasteners and HD Seam Plate spaced 12" o.c. along the seam within minimum 6" wide laps. Laps are spaced at a maximum 142" and sealed with a minimum 1-1/2" wide heat weld.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. Grade 33 steel deck secured to supports space at maximum 6 ft. o.c. with #12-24 x 1-1/4" HWH SD screws and with panel laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type D(18): All layers of insulation simultaneously attached; membrane mechanically fastened.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Barrier V-Force self-adhered to the top of each deck rib with 3" wide side laps

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1/2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer , GenFlex HD Composite ISO Minimum 1/2" thick	1 with 5	1:8.0 ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Minimum 1/4"	1 with 5	1:8.0 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using Heavy Duty fasteners and HD Seam Plate spaced 12" o.c. along the seam within minimum 6" wide laps. Laps are spaced at a maximum 114" and sealed with a minimum 1-1/2" wide heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 ga. Grade 33 steel deck secured to supports space at maximum 6 ft. o.c. with #12-24 x 1-1/4" HWH SD screws and with panel laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.

System Type D(19): All layers of insulation simultaneously attached; membrane mechanically fastened.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Vapor Barrier V-Force self-adhered to the top of each deck rib with 3" wide side laps

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer , GenFlex HD Composite ISO Minimum 3" thick	1 and 5	1:4.00 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using Heavy Duty fasteners and HD Seam Plate spaced 12" o.c. along the seam within minimum 6" wide laps. Laps are spaced at a maximum 14" and sealed with a minimum 1-1/2" wide heat weld.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. Grade 33 steel deck secured to supports space at maximum 6 ft. o.c. with 5/8" diameter puddle welds spaced 6" o.c. at each flute and side laps stitched 24" o.c. with 1/4" – 14 x 7/8" HWH screws with 1/2" washer
System Type D(20): All layers of insulation simultaneously attached; membrane mechanically fastened.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Thermal Barrier: 1/4" thick DensDeck Prime loose-laid

Air Barrier: V-Force self-adhered to the thermal barrier with 3" wide side laps

One or more layers of any of the following insulations.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 2" thick	1 or 2 with 5	1:4.0 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using Heavy Duty fasteners and HD Seam Plate spaced 12" o.c. along the seam within minimum 6" wide laps. Laps are spaced at a maximum 14" and sealed with a minimum 1-1/2" wide heat weld at the 6" wide side lap.

Maximum Design Pressure: -45 psf. (See General Limitation #7)



Membrane Type: Single Ply, TPO, Reinforced
Deck Type 2I: Steel, Insulated
Deck Description: Minimum 22 ga. Grade 33 steel deck secured to supports space at maximum 6 ft. o.c. with #12-24 x 1-1/4" HWH SD screws and with panel laps attached using 1/4" -14 x 7/8" HWH SD fasteners spaced 24" o.c.
System Type D(21): All layers of insulation simultaneously attached; membrane mechanically fastened.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier 1/4" minimum thick SECUROCK Gypsum-Fiber Roof Board loose-l aid
Vapor Barrier V-Force self-adhered to top of fire barrier with 3" wide side laps

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
GenFlex ISO Insulation, Coated Glass Facer, or GenFlex HD Composite ISO Minimum 3" thick	1 with 5	1:4.00 ft²

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: EZ TPO mechanically fastened to the deck through the insulation using Heavy-Duty and HD Seam Plate spaced 12" o.c. along the seam within minimum 6" wide roof laps. Fastener rows are spaced at maximum 14" o.c. and sealed with a minimum 1.5 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7)



STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener 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 signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer.
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.

Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.

5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf. as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. Insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



NOA No.: 13-1212.08
Expiration Date: 11/27/17
Approval Date: 09/10/15
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