MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Seaman Corporation
1000 Venture Boulevard
Wooster, OH 44691

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: FiberTite Single Ply Roof Systems over Concrete 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 renews NOA #24-0214.04 and consists of pages 1 through 58.
The submitted documentation was reviewed by Alex Tigera.

01/15/26

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Single Ply
Material:	KEE
Deck Type:	Concrete
Maximum Design Pressure	-572.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
FiberTite SBS 190 TG Base	39” x 33’	ASTM D 6164	SBS modified asphalt coated polyester reinforced base sheet.
FiberTite SBS 190 Base	39” x 33’	ASTM D 6164	SBS modified asphalt coated polyester reinforced base sheet.
FiberTite	Various	ASTM D 6754	KEE, polyester reinforced,single ply membrane
FiberTite-XT	Various	ASTM D 6754	KEE, polyester reinforced, single ply membrane.
FiberTite-SM	Various	ASTM D 6754	KEE, polyester reinforced, single ply membrane.
FiberTite-XTreme	Various	ASTM D 6754	KEE, polyester reinforced, single ply membrane.
Style 80	Various	ASTM D 6754	Polyester reinforced KEE membrane.
Style 80 M	Various	ASTM D 6754	Polyester reinforced KEE membrane.
FiberTite FB	Various	ASTM D 6754	KEE, fleece-backed, single ply membrane
FiberTite-XT FB	Various	ASTM D 6754	KEE, fleece-backed, polyester reinforced, single ply membrane
FiberTite-SM FB	Various	ASTM D 6754	KEE, fleece-backed, polyester reinforced, single ply membrane
Style 80 FB	Various	ASTM D 6754	KEE, fleece-backed, polyester reinforced, single ply membrane
Style 80 MFB	Various	ASTM D 6754	KEE, fleece-backed, polyester reinforced, single ply membrane
Elastoflex S6	39-3/8” x 32’10”	ASTM D 6164	Polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a sanded top surface
FTR 60-mil Non-Reinforced	0.060" x 48" x 24'	ASTM D 6754	KEE flashing accessory

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
FTR Cones	1" to 8"	ASTM D 6754	premolded "KEE" pipe flashing
FTR Corners	2' x 2'	ASTM D 6754	premolded "KEE" corner flashing (4 per unit)
FTR-190e	5 gal. pails	Proprietary	Solvent based bonding adhesive
FTR 290	5 gal. pails	Proprietary	One side "substrate only" fleece back solvent based adhesive
FTR 490	5 gal. pails	Proprietary	One side “substrate only” fleece backed water based adhesive
FTR 601		Proprietary	Elastomeric, One step foamable adhesive
FTR 601 PG	5 gal. or 50 gal. pails	Proprietary	Two-component, VOC free, polyurethane adhesive
FiberClad	48" x 120"	N/A	Polymeric coated G-90 galvanized steel, stainless steel or aluminum
Tuff Trac	0.080” x 28” or 56” x 43’ ¼" x 24" x 48"	N/A	Vinyl walk way Vinyl protection pad
FiberTite Simulated Metal Roof Profile	100’ coil	ASTM D 6754	Simulated metal roofing composed of "KEE" compound and adhesive strip.
VaporTite	45” x 133’	Proprietary	A self-adhering air/vapor barrier membrane composed of a SBS modified bitumen adhesive bottom layer and a tri-laminated woven polyethylene top late.
Elastocol Stick	Various	Proprietary	SBS polymer-based primer manufactured by Soprema, Inc.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
FTR-Value	Isocyanurate Insulation	Seaman Corporation.
FTR-Value A	Isocyanurate Insulation	Seaman Corporation
FTR-Value III A	Isocyanurate Insulation	Seaman Corporation
FTR-Value H	Isocyanurate Insulation	Seaman Corporation
FTR-Value H Glass Facer	Isocyanurate Insulation	Seaman Corporation
ACFoam-II	Isocyanurate Insulation	Atlas Roofing Corporation
ACFoam-III	Isocyanurate Insulation	Atlas Roofing Corporation
DensDeck	Silicon treated gypsum	Georgia-Pacific Gypsum LLC
DensDeck Prime	Silicon treated gypsum	Georgia-Pacific Gypsum LLC
H-Shield	Polyisocyanurate Insulation	Hunter Panels, a div. of Carlisle Const. Materials
H-Shield CG	Polyisocyanurate Insulation	Hunter Panels, a div. of Carlisle Const. Materials
ENRGY 3	Isocyanurate Insulation	Johns Manville Corporation
ENRGY 3 25 PSI	Isocyanurate Insulation	Johns Manville Corporation
Ultra-Max	Polyisocyanurate foam insulation	Rmax Operating, LLC
Multi-Max FA-3	Polyisocyanurate foam insulation	Rmax Operating, LLC
SECUROCK Gypsum-Fiber Roof Board	Gypsum Coverboard	United States Gypsum Corporation
DEXcell FA Glass Mat Roof Board	Gypsum Coverboard	National Gypsum Company a dba of New NGC, Inc
DEXcell Cement Roof Board	Cementitious Coverboard	National Gypsum Company a dba of New NGC, Inc

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
Insulfoam EPS	Expanded polystyrene insulation	Insulfoam, a Div. of Carlisle Const. Materials
STYROFOAM ROOFMATE	Expanded polystyrene insulation	DuPont de Nemours, Inc.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	FTR Magnum	Membrane fastener	Various	Seaman Corporation
2.	FTR #14	Membrane/Insulation fastener	Various	Seaman Corporation
3.	FTR Magnum plate	Galvalume AZ50 stress plate	1.5" x 2.5"	Seaman Corporation
4.	FTR Magnum 2_S	Barbed, galvalume AZ50 stress plate	2-3/8" Dia.	Seaman Corporation
5.	Dekfast PLT-R-2-3/8-6B	Barbed, galvalume AZ50 stress plate	2-3/8" Dia.	SFS Group USA, Inc.
6.	*isofast* PLT-R-2-3/8-BL	Galvalume AZ50 stress plate, #15 belted fasteners	2-3/8" Dia.	SFS Group USA, Inc.
7.	Dekfast DF-#14-PH3	Insulation and membrane fasteners	Various	SFS Group USA, Inc.
8.	Dekfast DF-#15-PH3	Carbon steel fastener for concrete, steel and wood decks	Various	SFS Group USA, Inc.
9.	Dekfast PLT-H-2-7/8	Galvalume AZ50 steel plate	2 7/8" x 3 ¼"	SFS Group USA, Inc.
10.	Trufast 3" Metal Insulation Plate	Galvalume AZ50 steel plate	3" round	Altenloh, Brinck & Co. U.S., Inc.
11.	FTR Magnum T	#15 threaded fastener	Various	Seaman Corporation
12.	FTR Magnum R275	AZ-55 Galvalume steel stress plate	2.75" round	Seaman Corporation
13.	Trufast #15 EHD Fasteners	Insulation fastener for wood, steel and concrete decks	Various	Altenloh, Brinck & Co. U.S., Inc.
14.	Trufast 2-3/4" Barbed Seam Plate (EHD)	AZ-55 Galvalume steel stress plate	2.75" round	Altenloh, Brinck & Co. U.S., Inc.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
15.	FTR Magnum Plus	Oval stress plate	1½" x 2¾"	Seaman Corporation
16.	*isoweld* FI-P-6.8-PVC	Galvanized steel plate with PVC coating	3" round	SFS Group USA, Inc.
17.	FTR IW-Plate	Galvanized steel plate with PVC coating	3" round	Seaman Corporation
18.	Polyset Commercial Roof Adhesive	A two component elastomeric polyurethane foam adhesive		ICP Construction, Inc.
19.	Polyset Board Max	A two component polyurethane foam adhesive		ICP Construction, Inc.
20.	Millennium One Step Foamable Insulation Adhesive	A two component, low rise, polyurethane foam adhesive		H.B. Fuller Company
21.	Millennium PG-1 Low Viscosity Insulation Adhesive	A two component, low rise, polyurethane foam adhesive		H.B. Fuller Company
22.	OlyBond	A two component polyurethane foam adhesive		OMG, Inc.
23.	OlyBond 500	A two component polyurethane foam adhesive		OMG, Inc.
24.	FTR SBS Adhesive	A single component asphalt modified urethane adhesive	5 gal pail	Seaman Corporation
25.	COLPLY EF Adhesive	A single component polymeric adhesive	5 gal pail 55 gal drum 350 gal tote	SOPREMA, Inc.

EVIDENCE SUBMITTED:

Test Agency/Identifier	Name	Report	Date
	FM 4470	1Y7A5.AM	12/29/95
Factory Mutual Research Corp.	FM 4470	1Z2A5.AM	01/12/96
	FM 4470	1Z3A8.AM	08/13.97
	FM 4470	3003251	10/05/99
	FM 4470	4D5A4.AM	10/05/99
	FM 4470	3002471	10/06/99
	FM4450	3009610	10/22/01
	FM 4470	3012321	07/29/02
	FM 4470	3013125	09/23/03
	FM 4470	3013068	09/23/03
	FM 4470	3019313	09/10/04
	FM 4450	3023458	07/18/06
	FM 4470	3024311	11/01/06
	FM 4470	3028651	04/17/08
	FM 4470	3032172	06/12/09
	FM 4470	3033396	09/04/09
	FM 4470	3037770	10/22/09
	FM 4470	3036192	11/23/09
	FM 4470	3044075	04/06/12
	FM 4470	3045983	10/18/12
	FM 4470	3043170	07/18/13
	FM 4470	3055227	05/21/15
	FM 4470	3054065	04/05/16
	FM 4470	3051608	10/23/16
	FM 4470	3061365	10/25/17
	FM 4470	3063970	09/14/18
	FM 4470	3059662	02/05/19
Underwriters Laboratories	UL790	94NK12810	08/11/98
	UL790	95NK17212	08/21/98
	UL 790	12CA39420	01/08/13
Trinity | ERD	TAS 114	02767.09.05-S1	09/27/05
	TAS 114	4006.08.00-1-R1	10/18/05
	FM 4470 / TAS 114	S13040.02.09-R1	03/06/09
	TAS 117 & ASTM D6862	C8500SC.11.07-R1	08/07/09
	TAS 114	4006.07.97-1-R1	07/15/10
	TAS 114	4020.08.99-1-R1	07/15/10
	TAS 114	4015.10.96-1-R1	07/20/10
	FM 4470 / TAS 114	S32410.09.10	09/21/10
	ASTM D 6754	S47410.12.14	12/15/14
PRI Construction Materials Technologies LLC	ASTM D 3747	HGC-142-02-03-R1	06/16/16
	ASTM D 6164	SRI-121-02-01	02/01/19
NEMO ETC, LLC.	FM 4474 / TAS 114	SFS-SC10010.02.16-R1	07/06/16

APPROVED ASSEMBLIES

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(1): One or more layers of insulation adhered with approved adhesive, membrane 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 the following insulations:

Primer: Elastocol Stick applied at 250 ft^2 per 1 gal.0.4 gal/sq (0.17 l/m^2).

Vapor Barrier: VaporTite, self-adhered.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, ENRGY-3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Apply insulation layer in a ¾" to 1" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover fully adhered with spatter-applied Polyset Commercial Roof Adhesive. Laps are sealed with 1.5-inch heat weld.

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

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(2): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Cold-applied base and/or ply sheet approved for use with the roof cover followed by an additional approved cold-applied sheet. Applied over ASTM D41 primed deck.

One or more layers of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
Insulfoam EPS Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck or vapor barrier in 3" to 3.5" wide beads 12" o.c. of Polyset Board-Max. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-SM, FiberTite-XT, FiberTite-XTreme , Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 50 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -55.0 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(3): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Cold-applied base and/or ply sheet approved for use with the roof cover followed by an additional approved cold-applied sheet. Applied over ASTM D41 primed deck.

One or more layers of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5 " thick	**N/A**	**N/A**
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Tapered	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck or vapor barrier in Polyset Board-Max applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive adhesive applied at a rate of 100 ft^2 per 1 gal. to the back side of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq., FTR-290 adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -55.0 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(4): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Cold-applied base and/or ply sheet approved for use with the roof cover followed by an additional cold-applied sheet. Applied over ASTM D41 primed deck.

One or more layers of the following insulations:

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum: 0.25 " thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck or vapor barrier in Polyset Board-Max applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive applied at a rate of 100 ft^2 per 1 gal. to the back side of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq., or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -55.0 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(5): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Hot-applied, Self-Adhering or Torch-applied vapor barrier, as indicated below, applied over ASTM D41 primed deck:

Hot asphalt-applied base and/or ply sheets approved for use with roof cover followed by an additional approved asphalt-applied sheet.
Or
Self-adhered base membrane approved for use with roof cover followed by an additional approved self-adhered sheet.
Or
Hot asphalt-applied base and/or ply sheets or optional torch-applied base membrane approved for use with roof cover followed by an additional approved torch-applied sheet.

One or more layers of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5 " thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck or vapor barrier in Polyset Board-Max applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane:

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-290 adhesive at 100 ft^2 per 1 gal., or FTR-490 water based adhesive at 100 ft^2 per 1 gal.

Or

FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive applied at a rate of 100 ft^2 per 1 gal. to the back side of the membrane and to the substrate.

Maximum Design Pressure:

-105 psf with torch-applied vapor barrier (See General Limitation #9)
-210 psf with self-adhered vapor barrier (See General Limitation #9)
-270 psf with hot-applied vapor barrier or no vapor barrier (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(6): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Hot-applied, Self-Adhering or Torch-applied vapor barrier, as indicated below, applied over ASTM D41 primed deck:

Hot asphalt-applied base and/or ply sheets approved for use with roof cover followed by an additional approved asphalt-applied sheet.
Or
Self-adhered base membrane approved for use with roof cover followed by an additional approved self-adhered sheet.
Or
Hot asphalt-applied base and/or ply sheets or optional torch-applied base membrane approved for use with roof cover followed by an additional approved torch-applied sheet.

One or more layers of the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum: 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Tapered	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck or vapor barrier in Polyset Board-Max applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR-290 adhesive at 100 ft^2 per 1 gal., or FTR-490 water based adhesive at 100 ft^2 per 1 gal.

Or

FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive applied at a rate of 100 ft^2 per 1 gal. to the back side of the membrane and to the substrate.

Maximum Design Pressure: -105 psf with torch-applied vapor barrier (See General Limitation #9)
-117.5 psf with all other applications (See General Limitation #9)

Membrane Type:	Single Ply, KEE
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	Min. 2500 psi structural concrete or concrete plank
System Type A(7):	One or more layers of insulation adhered with approved adhesive, membrane 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 the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value A, FTR-Value H, ACFoam II, Multi-Max FA-3, ENRGY 3, Insulfoam EPS Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer (Optional, required over EPS)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value A, FTR-Value H, ACFoam II, Multi-Max FA-3, ENRGY 3 Minimum 1.5" thick	**N/A**	**N/A**
DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in ¾" to 1" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive or OlyBond Adhesive Fastener at application rate of 100 ft^2 per 1 gal.. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane:	FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld. Or FiberTite-FB , FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure:	-90 psf (FleeceBacked membranes) (See General Limitation #9) -120 psf (non-fleecebacked membranes) (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(8): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Any UL or FM approved vapor barrier may be installed over the deck.

One or more layers of the following insulations:

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, Multi-Max FA-3, FTR-Value A, FTR-Value III A, FTR-Value H, H-Shield Minimum 1.5" thick	**N/A**	**N/A**
DensDeck, DensDeck Prime Minimum 0.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, Multi-Max FA-3, FTR-Value A, FTR-Value III A, FTR-Value H, H-Shield Tapered	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in 3-3.5" wide beads spaced 12" o.c. of Polyset Board-Max. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80 M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld..

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

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(9): One or more layers of insulation adhered with approved adhesive, membrane 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 the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, ENRGY-3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DEXcell FA Glass Mat Roof Board Minimum 0.25" thick	**N/A**	**N/A**
DEXcell Cement Roof Board Minimum 0.4375" thick	**N/A**	**N/A**

Note: Apply insulation layer in a ½" to ¾" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover fully adhered with approved asphalt at 20-25 lbs./sq. or FTR-290 solvent adhesive at 90 ft2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite, FiberTite-SM, FiberTite-XT, FiberTite XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive applied at an application rate 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -135 psf; (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(10): One or more layers of insulation adhered with approved adhesive, membrane 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 the following insulations:

Primer: Elastocol Stick applied at 250 ft^2 per 1 gal. (0.17 l/m^2).

Vapor Barrier: VaporTite, self-adhered.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, ENRGY-3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Apply insulation layer in a ¾" to 1" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover fully adhered with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal.. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite, FiberTite-SM, FiberTite-XT, Style 80 roof cover adhered with FTR-190e Bonding Adhesive applied at an application rate 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -157.5 psf; (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(11): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Any UL or FM approved vapor barrier may be installed over the deck.

One or more layers of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, Ultra-Max, ENRGY 3, H-Shield, FTR-Value, FTR-Value H, FTR-Value A Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in ½" to ¾" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -157.5 psf (with vapor barrier) (See General Limitation #9)

-232.5 psf (with no vapor barrier) (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(12): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Hot asphalt-applied base and/or ply sheets or optional torch-applied base membrane approved for use with roof cover followed by an additional approved torch-applied sheet.

One or more layers of the following insulations:

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 or Insulfoam EPS		
Minimum: 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board		
Minimum: 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck or vapor barrier in Polyset Board-Max applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive applied at a rate of 100 ft^2 per 1 gal. to the back side of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq. or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld

Maximum Design Pressure: -105.0 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(13): One or more layers of insulation adhered with approved adhesive, membrane 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 the following:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DEXcell FA Glass Mat Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Apply insulation layer in continuous ribbons 6" o.c. of FTR-601 or Millennium One Step Foamable Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Ply: Elastoflex S6 roof cover fully adhered with FTR SBS Adhesive at an application rate of 1.5 to 2.0 gal./sq.

Membrane: FiberTite-SM-FB roof cover fully adhered with COLPLY EF Adhesive at an application rate of 1.5 to 2.0 gal/sq.

Maximum Design Pressure: -168 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(14): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Hot-applied or Self-Adhering vapor barrier, as indicated below, applied over ASTM D41 primed deck:

Hot asphalt-applied base and/or ply sheets approved for use with roof cover followed by an additional approved asphalt-applied sheet.
Or
Self-adhered base membrane approved for use with roof cover followed by an additional approved self-adhered sheet.

One or more layers of the following insulations:

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Insulfoam EPS **Minimum: 1.5" thick**	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board **Minimum: 0.25 " thick**	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck or vapor barrier in Polyset Board-Max applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive applied at a rate of 100 ft^2 per 1 gal. to the back side of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq., or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -180 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(15): One or more layers of insulation adhered with approved adhesive, membrane 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 the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
STYROFOAM ROOFMATE Minimum 1.0" thick (Maximum 4'x4')	**N/A**	**N/A**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in ½" to ¾" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -202.5 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(16): All layers of insulation adhered subsequently membrane 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.

Primer: ASTM D41 primer applied at 250 ft^2 per 1 gal. (0.17 l/m^2).

Vapor Barrier: One or more plies of FiberTite-SBS 190 TG Base torch-applied.

Or

One or more plies of FiberTite SBS 190 Base adhered with approved asphalt at 20-25 lbs./sq.

One or more layers of the following:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value H, FTR-Value A, H-Shield, ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Apply insulation layer in a full mopping of any approved asphalt within the EVT range and at a rate of 20-25 lbs/sq. or in ½" to ¾" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One ply of FiberTite SBS 190 Base fully adhered with approved asphalt at 20-25 lbs./sq.

Membrane: One ply of FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB fully adhered with approved asphalt at 20-25 lbs./sq. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -202.5 psf (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(17): All layers of insulation adhered subsequently membrane 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.

Primer: ASTM D41 primer applied at 250 ft^2 per 1 gal. (0.17 l/m^2).

Vapor Barrier: One or more plies of FiberTite-SBS 190 TG Base torch-applied.

Or

One or more plies of FiberTite SBS 190 Base adhered with approved asphalt at 20-25 lbs./sq.

One or more layers of the following:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value H, FTR-Value A, H-Shield, ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Apply insulation layer in a full mopping of any approved asphalt within the EVT range and at a rate of 20-25 lbs/sq. or in ½" to ¾" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One ply of FiberTite SBS 190 TG Base, torch-applied.

Ply Sheet: (Optional) One ply of FiberTite SBS 190 TG Base, torch-applied.

Membrane: One ply of FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB fully adhered with approved asphalt at 20-25 lbs./sq. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -202.5 psf (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(18): All layers of insulation adhered subsequently membrane 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 Barrier: (Optional) Any approved asphaltic vapor barrier.

One or more layers of the following:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
H-Shield, ENRGY 3, ACFoam-II, Multi-Max FA-3, FTR-Value, FTR-Value A, FTR-Value H Minimum 1.0" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -210.0 psf (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(19): All layers of insulation adhered subsequently membrane 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 Barrier: One ply of VaporTite self-adhered to concrete deck primed with Elastocol Stick.

Or

One ply of FiberTite SBS 190 Base fully adhered with approved asphalt at 20-25 lbs./sq. Applied over ASTM D41 primed deck.

Or

One ply of FiberTite SBS 190 TG Base torch-applied. Applied over ASTM D41 primed deck.

One or more layers of the following:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value A, FTR-Value H, ENRGY-3, ACFoam-II, H-Shield Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Apply insulation layer in a ½" to ¾" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with approved asphalt at 20-25 lbs./sq. or spatter-applied Polyset Commercial Roof Adhesive at 4 lb/sq. or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -210.0 psf (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(20): All layers of insulation adhered subsequently membrane 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.

Primer: Any approved ASTM D41 Asphaltic Primer
(Optional)

Vapor Barrier: One or more plies of FiberTite SBS 190 Base adhered with approved asphalt at 20-25 lbs./sq.

One or more layers of the following:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value H, FTR-Value A, H-Shield, ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Note: Apply insulation layer in a ½" to ¾" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One ply of FiberTite SBS 190 Base fully adhered with approved asphalt at 20-25 lbs./sq.

Membrane: One ply of FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB fully adhered with approved asphalt at 20-25 lbs./sq. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -232.5 psf (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(21): All layers of insulation adhered subsequently membrane 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.

Primer: Any approved ASTM D41 Asphaltic Primer

One or more layers of the following:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value H, FTR-Value A, H-Shield, ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Apply insulation layer in a full mopping of any approved asphalt within the EVT range and at a rate of 20-25 lbs/sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One ply of FiberTite SBS 190 Base fully adhered with approved asphalt at 20-25 lbs./sq.

Membrane: One ply of FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB fully adhered with approved asphalt at 20-25 lbs./sq. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -232.5 psf (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(22): All layers of insulation adhered subsequently membrane 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.

Primer: Any approved ASTM D41 Asphaltic Primer

One or more layers of the following:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value H, FTR-Value A, H-Shield, ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Apply insulation layer in a full mopping of any approved asphalt within the EVT range and at a rate of 20-25 lbs/sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One ply of FiberTite SBS 190 TG Base, torch-applied.

Ply Sheet: (Optional) One ply of FiberTite SBS 190 TG Base, torch-applied.

Membrane: One ply of FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB fully adhered with approved asphalt at 20-25 lbs./sq. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -232.5 psf (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min, 2500 psi structural concrete or concrete plank

System Type A(23): One or more layers of insulation adhered with approved asphalt, membrane 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 Barrier: (Optional) Any UL or FM approved asphaltic vapor barrier may be installed over the substrate.

One or more layers of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value H, FTR-Value A, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum 1.5" thick	**N/A**	**N/A**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -187.5 psf; (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(24): One or more layers of insulation adhered with approved adhesive, membrane 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 Barrier: (Optional) Hot-applied or Self-Adhering vapor barrier as indicated below:

Hot asphalt-applied base and/or ply sheets approved for use with roof cover followed by an additional approved asphalt-applied sheet.
Or
Self-adhered base membrane approved for use with roof cover followed by an additional approved self-adhered sheet.

One or more layers of the following insulations:

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3, Insulfoam EPS (min. 2.0 pcf)		
Minimum: 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board		
Minimum: ¼ " thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck or vapor barrier in Polyset Board-Max applied in continuous 3-inch ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive applied at a rate of 100 ft^2 per 1 gal. to the back side of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with hot asphalt at 25 lbs/sq., or FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld

Maximum Design Pressure: -195 psf (See General Limitation #9)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(25): One or more layers of insulation adhered with approved adhesive, membrane 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/ft^2
FTR-Value, FTR-Value H, ACFoam II, H-Shield, Multi-Max FA-3 Minimum 1.5" thick	**N/A**	**N/A**
ACFoam-III or FTR-Value III A Minimum 1.3" thick	**N/A**	**N/A**
FTR-Value H Glass Facer Roof Insulation, FTR-Value, H-Shield CG, ENRGY 3 Minimum 1.0" thick	**N/A**	**N/A**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum ¼" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck with Polyset Board-Max applied in 1.5" ribbons spaced 12" o.c. Adhesive shall be allowed to sit for approx. 1 minute before insulation is applied. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-SM, FiberTite-XT, FiberTite-Xtreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the top insulation layer with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft^2 per 1 gal., or FTR-490 water based adhesive at 100 ft^2 per 1 gal.

Maximum Design Pressure: -240.0 psf (See General Limitation # 9)

Membrane Type:	Single Ply, KEE
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	Min. 2500 psi structural concrete or concrete plank
System Type A(26):	One or more layers of insulation adhered with approved adhesive, membrane 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 the following insulations:

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam II, FTR-Value Minimum 2" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in ¾" to 1" wide beads 12" o.c. of OlyBond 500, FTR 601, FTR 601 PG, Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive or full mopping of approved asphalt At a rate of 25 lbs/sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane:	FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 50 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld. Or FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressures:	-247.5 psf (See General Limitation #9.)

Membrane Type:	Single Ply, KEE
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	Min. 2500 psi structural concrete or concrete plank
System Type A(27):	One or more layers of insulation adhered with approved adhesive, membrane 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 the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, FTR-Value,FTR-Value A, FTR-Value III A, FTR-Value H, H-Shield, ENRGY 3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the deck in 3" to 3.5" wide beads 12" o.c. of Polyset Board-Max. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 50 ft^2 per 1 gal.

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft^2 per 1 gal., or FTR-490 water based adhesive at 100 ft^2 per 1 gal.

Maximum Design Pressures: -262.5 psf (See General Limitation #9)

Membrane Type:	Single Ply, Thermoplastic
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	Min. 2500 psi structural concrete or concrete plank
System Type A(28):	All layers of insulation adhered subsequently membrane 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 the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ENRGY 3, ACFoam-II, H-Shield, FTR-Value, FTR-Value H, FTR-Value A Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane:	FiberTite, FiberTite-SM, FiberTite-XT, FiberTite-Xtreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 50 ft^2 per 1 gal. Or FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the top insulation layer with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft^2 per 1 gal., or FTR-490 water based adhesive at 100 ft^2 per 1 gal. **Note: Asphalt application shall only be used when adhering to gypsum-based insulation.**
Maximum Design Pressure:	-290 psf; (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(29): One or more layers of insulation adhered with approved adhesive, membrane 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 the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, ENRGY-3 Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DEXcell FA Glass Mat Roof Board Minimum 0.25" thick	**N/A**	**N/A**
DEXcell Cement Roof Board Minimum 0.4375" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-25 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover fully adhered with approved asphalt at 20-25 lbs./sq. or FTR-290 solvent adhesive at 90 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal.. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite, FiberTite-SM, FiberTite-XT, FiberTite XTreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive applied at an application rate 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -247.5 psf; (See General Limitation #9.)

Membrane Type:	Single Ply, Thermoplastic
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	Min. 2500 psi structural concrete or concrete plank
System Type A(30):	All layers of insulation adhered subsequently membrane 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 the following insulations:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ENRGY 3, ACFoam-II, H-Shield, FTR-Value, FTR-Value H, FTR-Value A Minimum 1.5" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane:	FiberTite, FiberTite-SM, FiberTite-XT, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 50 ft^2 per 1 gal. Or FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the top insulation layer with FTR-290 solvent adhesive at 90 ft^2 per 1 gal., or FTR-490 water based adhesive at 100 ft^2 per 1 gal.
Maximum Design Pressure:	-410 psf; (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(31): All layers of insulation adhered subsequently membrane 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 the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DensDeck Prime Minimum 0.25" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M cover adhered to the DensDeck Prime with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. To the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -420 psf (See General Limitation #9.)

Membrane Type:	Single Ply, Thermoplastic
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	Min. 2500 psi structural concrete or concrete plank
System Type A(32):	All layers of insulation adhered subsequently membrane 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 the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, FTR-Value A Minimum 1.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 25 lbs/square. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane:	FiberTite-SM roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. (applied to both substrate and roof cover).
Maximum Design Pressure:	-210 psf; (See General Limitation #9.)

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type B(1): Base layer of insulation mechanically attached, top layer adhered; membrane 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 Barrier: (Optional) Any UL or FM approved vapor barrier may be installed over the deck or the base layer of insulation.

Fire Barrier: (Optional) Min. ¼" DensDeck, DensDeck Prime applied to the base or top insulation layer in a full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or in ¾" to 1" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive or OlyBond Adhesive Fastener at application rate of 100 ft^2 per 1 gal.

One or more layers of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 Minimum 2" thick	**2, 7(#14)**	**1:4 ft^2**

Note: Base 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).

Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, ENRGY 3, H-Shield Minimum 1.5" thick	**N/A**	**N/A**

Note: Apply top layer of insulation in a full mopping of any approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2 or ¾" to 1" wide beads 12" o.c. of FTR 601 or FTR 601 PG or Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive or OlyBond Adhesive Fastener at application rate of 100 ft^2 per 1 gal.. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with FTR-190e Bonding Adhesive applied at an application rate of 100 ft^2 per 1 gal. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the insulation with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 100 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

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

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type C(1): All layers of insulation simultaneously attached; membrane 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 the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam–II, H-Shield, ENRGY 3, Multi-Max FA-3 Minimum 1.5" thick	**1 or 2 with 21, 7 or 8 with 20**	**1:5.33 ft^2**

Note: All layers shall be simultaneously fastened; see top or base layer above 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: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover shall be bonded to FTR IW-Plates or *isoweld* FI-P-6.8-PVC plates with *isoweld* Induction Bonding Tool. Laps are sealed with 1.5-inch heat weld.

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

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type C(2): All layers of insulation simultaneously attached; membrane 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 the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value A, ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Note: All insulation shall have preliminary attachment prior to the application of approved welding plates and fasteners as outlined below. See membrane description for fastener details. 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: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover shall be bonded to FTR IW-Plates or *isoweld* FI-P-6.8-PVC plates as specified below:

Fastening: Insulation shall be mechanically attached with FTR #14, FTR Magnum fasteners with FTR IW-Plates or Dekfast DF-#14-PH3, Dekfast DF-#15-PH3 with *isoweld* FI-P-6.8-PVC plates spaced 12" o.c. in fastener rows spaced 60" o.c. Membrane shall be bonded to plates with *isoweld* Induction Bonding Tool. Laps are sealed with 1.5-inch heat weld.

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

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type C(3): All layers of insulation simultaneously attached; membrane 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 the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam–II, H-Shield, ENRGY 3, Multi-Max FA-3 Minimum 1.5" thick	**1, 2 with 17; 7, 8 with 16**	**See Design Presure**

Note: All insulation shall have preliminary attachment prior to the application of approved welding plates and fasteners as outlined below. See membrane description for fastener details. 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: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover shall be bonded to FTR IW-Plates or *isoweld* FI-P-6.8-PVC plates with *isoweld* Induction Bonding Tool. Laps are sealed with 1.5-inch heat weld.

	Maximum Pressure	Fastener Spacing	Fastener Row Spacing
Maximum Design Pressures:	-45 psf (See General Limitation #7)	2 ft	2 ft
	-67.5 psf (See General Limitation #7)	1.5 ft	2 ft
	-82.5 psf (See General Limitation #7)	1.5 ft	1.5 ft

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type C(4): All layers of insulation simultaneously attached; membrane 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 the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value A, ACFoam-II		
Minimum 1.5" thick	**1, 2 with 17; 7, 8 with 16**	**1:4 ft^2**
Minimum 1.5" thick	**1, 2 with 17; 7, 8 with 16**	**1:6 ft^2**

Note: All layers shall be simultaneously fastened; see top or base layer above 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: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover shall be bonded to FTR IW-Plates or *isoweld* FI-P-6.8-PVC plates with *isoweld* Induction Bonding Tool. Laps are sealed with 1.5-inch heat weld.

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

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type C(5): All layers of insulation simultaneously attached; membrane 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 Barrier: (Optional) VaporTite, self-adhered.

One or more layers of the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value A, ACFoam-II Minimum 1.5" thick	**1 or 2 with 21, 8 or 9 with 20**	**1:3 ft^2**

Note: All layers shall be simultaneously fastened; see top or base layer above 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: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover shall be bonded to FTR IW-Plates or *isoweld* FI-P-6.8-PVC plates with *isoweld* Induction Bonding Tool. Laps are sealed with 1.5-inch heat weld.

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

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type C(6): All layers of insulation simultaneously attached; membrane 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 the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value A, ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Note: All insulation shall have preliminary attachment prior to the application of approved welding plates and fasteners as outlined below. See membrane description for fastener details. 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: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover shall be bonded to FTR IW-Plates or *isoweld* FI-P-6.8-PVC plates as specified below:

Fastening: Insulation shall be mechanically attached with FTR #14, FTR Magnum fasteners with FTR IW-Plates or Dekfast DF-#14-PH3, Dekfast DF-#15-PH3 with *isoweld* FI-P-6.8-PVC plates spaced 6" o.c. in fastener rows spaced 60" o.c. Membrane shall be bonded to plates with *isoweld* Induction Bonding Tool. Laps are sealed with 1.5-inch heat weld.

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

Membrane Type: Single Ply, Thermoplastic

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

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 the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ENRGY 3, FTR-Value, Multi-Max FA-3, H-Shield, FTR-Value H, ACFoam-II, FTR-Value A		
Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck, DensDeck Prime 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.

Membrane: FiberTite, FiberTite-FB, FiberTite-SM, FiberTite-SM FB, FiberTite-XT, FiberTite-XT FB, Style 80, Style 80-M, Style 80 FB, Style 80-M FB or FiberTite-XTreme secured through the preliminarily attached insulation as described below.

Fastening #1: FTR Magnum T fasteners and FTR Magnum R275 stress plates or with Trufast #15 EHD fasteners and Trufast 2-3/4" Barbed Seam Plates (EHD) spaced 12" o.c. within the 6" wide side laps in rows spaced 94" o.c. The roof cover side laps are sealed with a minimum 1.5" heat weld.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #2: FTR Magnum T fasteners and FTR Magnum R275 stress plates or with Trufast #15 EHD fasteners and Trufast 2-3/4" Barbed Seam Plates (EHD) spaced 6" o.c. within the 6" wide side laps in rows spaced 94" o.c. The roof cover side laps are sealed with a minimum 1.5" heat weld.
Maximum Design Pressure: -67.5 psf. (See General Limitation #7)

Maximum Design Pressures: See fastening methods above

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

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.

Vapor Barrier: (Optional) Any UL or FM approved vapor barrier applied to the roof deck or over a base layer of insulation.

Fire Barrier: (Optional) Min. ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

One or more layers of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Ultra-Max, H-Shield, ENRGY 3 Minimum 1.5" 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.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-Xtreme, FiberTite-FB, Style 80, Style 80-M, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover attached through the preliminary fastened insulation to the deck following one of the fastening methods specified below:

Fastening #1: Fasten with FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 18" o.c. through tabs spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure -45 psf. (See General Limitation #7)

Fastening #2: Fasten with FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. through tabs spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure -60 psf. (See General Limitation #7)

Fastening #3: Fasten with FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through the top of the roof cover spaced at maximum intervals of 104.5" Fastener rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab.(closed lap configutration) over the fasteners. The edge of the stripping and/or surface tabs shall be welded a minimum of 1". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure -75 psf. (See General Limitation #7)

Fastening #4: FTR Magnum fasteners with Magnum plates or FTR Magnum Plus plates spaced 6" o.c. within the 6” closed laps in rows spaced 94" o.c. The outside 1.5” of the laps is heat welded. ***Maximum Design Pressure –82.5 psf. (See General Limitation #7)***

Maximum Design Pressures: See Fastening Options Above

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank.

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.

Vapor Barrier: (Optional) Any UL or FM approved vapor barrier applied to the roof deck or over a base layer of insulation.

Fire Barrier: (Optional) Min. ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

One or more layers of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ENRGY 3, Ultra-Max, ACFoam-II, H-Shield Minimum 1.5" 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.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M secured through the preliminarily attached insulation as specified below.

Fastening #1: FTR Magnum fasteners with FTR Magnum 2$_S$ plates, or Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-3/8-6B plates or Dekfast DF-#15-PH3 fasteners and *isofast* PLT-R-2-3/8-BL plates, spaced 6" o.c. within the 5" open laps in rows spaced 144.0" o.c., or installed through integral 3-1/2" fastening tab. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #2: FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5" lap of membrane in rows spaced 72" o.c. The outside 1.5" of the lap is heat welded.
Maximum Design Pressure: -45 psf. (See General Limitation #7)

Fastening #3: FTR Magnum fasteners with FTR Magnum 2$_S$ plates, or Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-3/8-6B plates or Dekfast DF-#15-PH3 fasteners and *isofast* PLT-R-2-3/8-BL plates, spaced 6" o.c. through the top of the roof cover in rows spaced 144.0" o.c.. Rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab (closed lap configuration) over the fasteners. The edge of tab or both edges of cover strip are heat welded min. 1.5". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –52.5 psf. (See General Limitation #7)

Fastening #4: FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 12" o.c. in the 5” lap of membrane in rows spaced 51" o.c. The outside 1.5” of the lap is heat welded.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)

Fastening #5: FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5” lap of membrane in rows spaced 96" o.c. The outside 1.5” of the lap is heat welded.
Maximum Design Pressure: -52.5 psf. (See General Limitation #7)

Fastening #6: FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. in the 5” lap of membrane in rows spaced 51" o.c. The outside 1.5” of the lap is heat welded.
Maximum Design Pressure: –67.5 psf. (See General Limitation #7)

Fastening #7: FTR Magnum fasteners with FTR Magnum 2_S plates, or Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-3/8-6B plates or Dekfast DF-#15-PH3 fasteners and *isofast* PLT-R-2-3/8-BL plates, spaced 6" o.c. within the 5” open laps in rows spaced 72.0" o.c. The outside 1.5” of the lap is heat welded, or installed through integral 3-1/2” fastening tab.
Maximum Design Pressure: -67.5 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

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.

Vapor Barrier: (Optional) Any UL or FM approved vapor barrier applied to the roof deck or over a base layer of insulation.

Fire Barrier: (Optional) Min. ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

One or more layers of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, ACFoam-II, Ultra-Max, Multi-Max FA-3, ENRGY 3, H-Shield		
Minimum 1" 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.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the presecured insulation to the deck using FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through the tabs spaced a maximum of 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: **-75 psf (See General Limitation #7)**

Or

FiberTite TopSider system consisting of FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the presecured insulation to the deck using FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through the top of the membrane spaced at intervals of 104.5". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: **-90 psf (See General Limitation #7)**

Maximum Design Pressures: See Membrane options above.

Membrane Type: Single Ply, KEE

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type D(5): 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.

Vapor Barrier: (Optional) Any UL or FM approved vapor barrier applied to the roof deck or over a base layer of insulation.

Fire Barrier: (Optional) Min. ¼" DensDeck or DensDeck Prime attached with 4 fasteners per 4' x 8' sheet.

One or more layers of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, ACFoam-II, Ultra-Max, Multi-Max FA-3, ENRGY 3, H-Shield		
Minimum 1" thick	**N/A**	**N/A**
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board		
Minimum 0.25" 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.

Membrane: FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover attached through the preliminary fastened insulation to the deck following one of the fastening methods specified below:

Fastening #1: Fasten with FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through 5" wide open laps with a minimum 1.5" field weld or through 3.5" fastening tabs; spaced 51" o.c. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -112.5 psf. (See General Limitation #7)

Fastening #2: Fasten with FTR Magnum fasteners with FTR Magnum plates or FTR Magnum Plus plates spaced 6" o.c. through roof cover in rows spaced 51" o.c. Rows are sealed by either welding a 6" cover strip or prefabricated 4.5" surface tab (closed lap configuration) over the fasteners. The edge of tab or both edges of cover strip are heat welded min. 1.5". Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: -112.5 psf. (See General Limitation #7)

Maximum Design Pressures: See Fastening Options Above

Membrane Type: Single Ply, KEE

Deck Type 3: Concrete Decks, Non-Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type F(1): Membrane adhered to roof deck.

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.

Membrane:

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to conctete deck sealed with polyvinyl alcohol (PVA) with FTR 290 Adhesive. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –372.5 psf (See General Limtation #9)

Or

FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to the primed concrete deck with approved asphalt at 20-25 lbs./sq. or FTR-490 water based adhesive at 100 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –572.5 psf (See General Limtation #9)

Maximum Design Pressure: See Applications Options above.

Membrane Type: Single Ply, KEE

Deck Type 3: Concrete Decks, Non-Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type F(2): Membrane adhered to roof deck.

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.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered to concrete deck with FTR-490 water based bonding adhesive applied to substrate at a rate of 120 ft^2 per 1 gal. The roof cover side laps are sealed with a minimum 1.5" heat weld.

Maximum Design Pressure: -442.5 psf ; (See General Limitation #9.)
-495.0 psf; For FiberTite-XT FB or Style 80 FB (See General Limitation #9.)

CONCRETE 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.

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., adhered using the adhesives and application rates as reported herein 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 sidelap 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 Engineer, 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 with 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