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

NOTICE OF ACCEPTANCE (NOA)

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 Waterproofing Systems

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 consists of pages 1 through 60.
The submitted documentation was reviewed by Alex Tigera.

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Waterproofing
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.
FTR SBS Poly 3.0	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 polyethylene or sanded top surface.
FTR SBS Poly 3.7	39-3/8” x 32’10”	ASTM D 6164	Polyester reinforced, SBS modified bitumen membrane with a sanded back face and a sanded top surface.
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
FTR 60-mil Non-Reinforced	0.060" x 48" x 24'	ASTM D 6754	KEE flashing accessory
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

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
FTR 290	5 gal. pails	Proprietary	One side "substrate only" fleece back solvent based adhesive
FTR 390	5 gal. pails	Proprietary	One side "substrate only" fleece back asphalt 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
FTR SBS Adhesive	36 gal. pails	Proprietary	One-component, low-VOC, asphalt modified urethane adhesive.
Alpha-Tite Bonding Adhesive	5 gal. pails	Proprietary	Solvent based bonding 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.
FTR SA Primer	Various	Proprietary	A zero-VOC, polymer based primer
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
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
Insulfoam EPS	Expanded polystyrene insulation	Insulfoam, a Div. of Carlisle Const. Materials
STYROFOAM ROOFMATE	Extruded polystyrene insulation	DuPont de Nemours, Inc.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	ICP Adhesives CR-20	Polyurethane adhesive		ICP Adhesives and Sealants, Inc.
2.	Polyset Board Max	Polyurethane adhesive		ICP Adhesives and Sealants, Inc.
3.	Millennium One Step Foamable Insulation Adhesive	A two component, low rise, polyurethane foam adhesive		H.B. Fuller Company
4.	Millennium PG-1 Low Viscosity Insulation Adhesive	A two component, low rise, polyurethane foam adhesive		H.B. Fuller Company
5.	OlyBond Classic	A two component polyurethane foam adhesive		OMG, Inc.
6.	OlyBond 500	A two component polyurethane foam adhesive		OMG, Inc.
7.	COLPLY EF Adhesive	Solvent free, low VOC adhesive		SOPREMA, Inc.

EVIDENCE SUBMITTED:

Test Agency/Identifier	Name	Report	Date
Factory Mutual Research Corp.	FM 4470	1Y7A5.AM	12/29/95
	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	797-03465-267	03/24/08
	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	797-05851-267	09/13/10
	FM 4470	3044075	04/06/12
	FM 4470	3045983	10/18/12
	FM 4470	3043170	07/18/13
	FM 4470	3051607	03/25/15
	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
	FM 4470	RR224222	06/29/20
	FM 4470	PR457508	11/30/20
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
	FM 4470 / TAS 114	S13040.02.09-R1	03/06/09
	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
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
	Proprietary	2111T0004.1	11/22/19

EVIDENCE SUBMITTED:

Test Agency/Identifier	Name	Report	Date
NEMO ETC LLC	FM 4474 / TAS 114	SFS-SC10010.02.16-R1	07/06/16
	FM 4470	4i-SMN-20-SSCRT-01.A	08/28/20
	ASTM D1876 & FM4470	4i-SMN-20-SSCRT-02.A	03/02/21
	ASTM D6754	4r-SMN-20-SSTHP-01.A	09/30/21
	ASTM D6754	4r-SMN-20-SSTHP-01.B	09/30/21
	FM 4470, ASTM D1876, TAS 114(H)	4i-SMN-22-SSCRT-02.A	09/22/22

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.

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, 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 90 ft² per 1 gal., FTR-390 asphalt based adhesive at 60 ft² per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal.l.

Or

FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-Xtreme, Style 80 or Style 80-M roof cover adhered with FTR-190e Bonding Adhesive or Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(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) 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 90 ft² per 1 gal., FTR-390 asphalt based adhesive at 60 ft² per 1 gal. or FTR-490 water based adhesive at 100 ft² 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 ft² per gal. to back of membrane and 100 ft² to substrate.

Or

(Not with Multi-Max FA-3) FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-Xtreme, Style 80 or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Integrity Test:

Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection:

Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(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.

One or more layers of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
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/ft²**
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 Classic. 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with Multi-Max FA-3 or DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with Multi-Max FA-3) FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(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.

One or more layers of the following insulations:

Primer: FTR SA Primer applied at 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**
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-390 asphalt based adhesive at 60 ft^2/gal or FTR-490 water based adhesive at 100 ft² per 1 gal. or spatter-applied ICP Adhesives CR-20 at at 4 lb/sq. 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DEXcell Cement Roof Board) FiberTite, FiberTite-SM, FiberTite-XT, FiberTite Xtreme, Style 80 or Style 80-M roof cover adhered with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(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.

One or more layers of the following insulations:

Primer: Elastocol Stick or FTR SA Primer applied at 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 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, 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 gal. to back of membrane and 100 ft^2 to substrate. or with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft^2 per gal. to back of membrane and 100 ft^2 to substrate. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Maximum Design Pressure:	-157.5 psf; all other applications (See General Limitation #9.) -180 psf; Fleecebacked membranes with hot asphalt (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) 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck or DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck) FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft² per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(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.

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 ft² per gal. to back of membrane and 100 ft ² to substrate. to the back side of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft² per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(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) 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/ft²**
Insulfoam EPS **Minimum: 1.5" thick**	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board **Minimum: 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 ft² per gal. to back of membrane and 100 ft² to substrate. to the back side of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck or DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck) FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(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/ft²**
STYROFOAM ROOFMATE Minimum 1.0" thick (Maximum 4'x4')	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck or DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck) FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft² per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(10): 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 0.4 gal/sq (0.17 l/m^2).

Vapor Barrier: One or more plies of FiberTite-SBS 190 TG Base, FTR SBS Poly 3.7 or FTR SBS Poly 3.0, torch-applied.

Or

One or more plies of FiberTite SBS 190 Base or FTR SBS Poly 3.7 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, FTR SBS Poly 3.7 or FTR SBS Poly 3.0, torch-applied.

Ply Sheet: (Optional) One ply of FiberTite SBS 190 TG Base, FTR SBS Poly 3.7 or FTR SBS Poly 3.0, 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. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal.. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(11): 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with Multi-Max FA-3) FiberTite, FiberTite-XT, FiberTite-SM, FiberTite-XTreme, Style 80 or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(12): 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 FTR SA Primer.

Or

One ply of FiberTite SBS 190 Base, FTR SBS Poly 3.7 or FTR SBS Poly 3.0 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, FTR SBS Poly 3.7 or FTR SBS Poly 3.0 torch-applied over ASTM D41 primed deck.

Or

One ply of FiberTite SBS 190 Base, FTR SBS Poly 3.7 or FTR SBS Poly 3.0 adhered with FTR SBS Adhesive or COLPLY EF Adhesive applied at 1.5 to 2.0 gal/sq. Applied over (optional) ASTM D41 primed deck.

One or more layers of the following:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
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/ft²**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, DEXcell FA Glass Mat 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. 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 Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to 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 ICP Adhesives CR-20 at 4 lb/sq. or FTR-290 solvent adhesive at 90 ft² per 1 gal or FTR-490 water based adhesive at 100 ft² per 1 gal.. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(13): 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 ply of FiberTite SBS 190 TG Base, FTR SBS Poly 3.7 or FTR SBS Poly 3.0 torch-applied.

One or more layers of the following:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FTR-Value H, FTR-Value A, FTR-Value III A, H-Shield, ACFoam-II, ACFoam-III 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, FTR 601 PG, Millennium One Step Foamable Insulation Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive or OlyBond 500. 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 or FTR SBS Poly 3.7 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. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal.. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(14): 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, FTR-Value III A, H-Shield, ACFoam-II, ACFoam-III 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 or FTR SBS Poly 3.7 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. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(15): 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, FTR-Value III A, H-Shield, ACFoam-II, ACFoam-III 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, FTR SBS Poly 3.7 or FTR SBS Poly 3.0, torch-applied.

Ply Sheet: (Optional) One ply of FiberTite SBS 190 TG Base, FTR SBS Poly 3.7 or FTR SBS Poly 3.0, 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. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(16): 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/ft²**
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/ft²**
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 ft². 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with Multi-Max FA-3 or DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with Multi-Max FA-3) FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft² per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(17): 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 asphaltic vapor barrier may be installed over the substrate.

One or more layers of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II, ACFoam-III, 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**

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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck or DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck) FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at an application rate of 1 gal./sq. 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal.. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

Maximum Design Pressure: -262.5 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): 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:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II, ACFoam-III, ENRGY-3, H-Shield, FTR-Value III A, FTR-Value A, FTR-Value, FTR-Value H Minimum 1.5" thick	**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 or Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(19): 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/ft²**
FTR-Value, FTR-Value A, FTR-Value H, ACFoam-II, Multi-Max FA-3, H-Shield, ENRGY 3 or Insulfoam EPS (min. 2.0 pcf) Minimum: 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum: 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 ft² per gal. to back of membrane and 100 ft ² to substrate. to the back side of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. 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 hot asphalt at 25 lbs/sq., or FTR-290 solvent adhesive at 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(20): 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/ft²**
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/ft²**
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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate

Or

(Not with DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. to the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to 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 top insulation layer with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft² per 1 gal., FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(21):	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/ft²**
ACFoam II, H-Shield, ENRGY 3, FTR-Value A, FTR-Value, FTR-Value H, Minimum 2" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
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 or Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to 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 90 ft² per 1 gal.Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(22): 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/ft²**
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/ft²**
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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate

Or

(Not with DensDeck or DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck) FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to 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 90 ft² per 1 gal., FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(23): 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate.

Or

(Not with DensDeck or DensDeck Prime) FiberTite, FiberTite-XT or Style 80 roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DensDeck) FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered to the insulation with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to 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 top insulation layer with approved asphalt at 20-25 lbs./sq., FTR-290 solvent adhesive at 90 ft² per 1 gal., FTR-390 asphalt based adhesive at 60 ft² per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal.
Note: Asphalt application shall only be used when adhering to gypsum-based insulation.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(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.

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 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal. or spatter-applied ICP Adhesives CR-20 at at 4 lb/sq. 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.

Or

(Not with DEXcell Cement Roof Board) FiberTite, FiberTite-SM, FiberTite-XT, FiberTite XTreme, Style 80 or Style 80-M roof cover adhered with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Maximum Design Pressure:	-375 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(25):	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 or with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate 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 ft² per 1 gal., FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
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(26): 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 roof cover adhered with FTR-190e Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. To the backside of the membrane and to the substrate. Laps are sealed with 1.5-inch heat weld.

Or

FiberTite-SM, FiberTite-Xtreme or Style 80-M roof cover adhered with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft² to substrate. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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(27):	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, 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 a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate or with Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to substrate. Laps are sealed with 1.5-inch heat weld.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.
Maximum Design Pressure:	-495 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(28): 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)

One ply of VaporTite self-adhered to concrete deck primed with Elastocol Stick or FTR SA Primer.

Or

One ply of FiberTite SBS 190 Base, FTR SBS Poly 3.7 or FTR SBS Poly 3.0 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, FTR SBS Poly 3.7 or FTR SBS Poly 3.0 torch-applied over ASTM D41 primed deck.

Or

One ply of FiberTite SBS 190 Base, FTR SBS Poly 3.7 or FTR SBS Poly 3.0 adhered with FTR SBS Adhesive or COLPLY EF Adhesive applied at 1.5 to 2.0 gal/sq. Applied over (optional) ASTM D41 primed deck.

One or more layers of the following insulations:

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Insulfoam EPS **Minimum: 1.5" thick**	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board **Minimum: 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 or Alpha-Tite Bonding Adhesive applied at a rate of 100 ft² per gal. to back of membrane and 100 ft ² to 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 90 ft² per 1 gal. or FTR-390 asphalt based adhesive at 60 ft^2 per 1 gal. or FTR-490 water based adhesive at 100 ft² per 1 gal.. or fully adhered with spatter-applied ICP Adhesives CR-20. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

Surfacing: Structural Concrete Slab, minimum 2500 psi, in compliance with applicable Building Code.

Maximum Design Pressure: N/A
(Topping concrete slab shall comply with applicable Building Code requirement.)

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 the primed concrete deck with FTR 390 asphalt based adhesive at 1 gal per 60ft^2. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –215.1 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 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 ft² per 1 gal. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressure: –572.5 psf (See General Limtation #9)

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

Maximum Design Pressure: See Applications Options above.

Membrane Type: Single Ply, Thermoplastic

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.

Primer: Any approved ASTM D41 Asphaltic Primer

Vapor Barrier: One ply of FM approved ASTM D6163, Type I, base sheet shall be torch-applied to the primed concrete deck.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover adhered with FTR 390 asphalt based adhesive at 60ft^2 per gal.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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

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(3): 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 100 ft² per 1 gal.. The roof cover side laps are sealed with a minimum 1.5" heat weld.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

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.)

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(4): 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.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants. Substrate shall be smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover fully adhered with spatter-applied ICP Adhesives CR-20. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed by an approved lab in accordance with ASTM D5957. Water maybe maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

Maximum Design Pressure: -495.0 psf (See General Limitation #9.)

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(5): 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.

Substrate Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants. Substrate shall be smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions.

Membrane: FiberTite-FB, FiberTite-XT FB, FiberTite-SM FB, Style 80 FB or Style 80-M FB roof cover fully adhered with spatter-applied ICP Adhesives CR-20. Laps are sealed with 1.5-inch heat weld.

Integrity Test: Required, and shall be performed by an approved lab in accordance with ASTM D5957. Water maybe maintained for a period longer than 24 hours if required.

Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. Inspection must take place prior to installation of any overlay insulation, protection pads, drainage boards and traffic surfacing. All defects observed shall be corrected.

Surfacing: Structural Concrete Slab, minimum 2500 psi, in compliance with applicable Building Code.

Maximum Design Pressure: N/A
(Topping concrete slab shall comply with applicable Building Code requirement.)

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. All work shall be performed by a Contractor licensed to do roofing/waterproofing and be a Manufacturer Trained 'Qualified Applicator' approved by Seaman Corporation. Seaman Corporation shall supply a list of approved applicators to the authority having jurisdiction.
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. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
11. 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.
12. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection.

END OF THIS ACCEPTANCE