



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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NOTICE OF ACCEPTANCE (NOA)

Allied Building Products Corp. dba TRI-BUILT Materials Group
15 East Union Avenue
East Rutherford, NJ 07073

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: TRI-BUILT Modified Bitumen Roof System Over Wood Decks

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

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA#13-0425.12 and consists of pages 1 through 20.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 17-0322.05
Expiration Date: 09/13/22
Approval Date: 09/14/17
Page 1 of 20

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Modified Bitumen
Materials	SBS/APP
Deck Type:	Wood
Maximum Design Pressure	-112.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Polyglass G2 Base	108' x 36''	ASTM D 4601 Type II	Asphalt-coated fiberglass reinforced base sheet
TRI-BUILT SBS Granular	32' 10'' x 3' 3-3/8''	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface.
TRI-BUILT APP Smooth	32' 10'' x 3' 3-3/8''	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a smooth or sanded top surface.
TRI-BUILT APP Granular	32' 10'' x 3' 3-3/8''	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface.
TRI-BUILT Quick Dry Asphalt Primer	1, 3, 5, 50, 55 gal, tube or 17 oz. spray can	ASTM D41	A penetrating solution of solvent and a blend of selected asphalts used to promote adhesion.

APPROVED INSULATIONS:

TABLE 2

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (With Current NOA)</u>
ACFoam-II, ACFoam-III	Polyisocyanurate foam insulation	Atlas Roofing Corporation
DensDeck, DensDeck Prime	Gypsum insulation board	Georgia Pacific Gypsum LLC
ENRGY 3	Polyisocyanurate foam insulation	Johns Manville Corp.
FescoBoard	Rigid perlite roof insulation board.	Johns Manville Corp.
H-Shield	Polyisocyanurate foam insulation	Hunter Panels, LLC
Multi-Max FA-3	Polyisocyanurate foam insulation	Rmax Operating, LLC
SECUROCK Gypsum-Fiber Board	Fiber reinforced coverboard	USG Corporation
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
Structodek High Density Fiberboard Roof Insulation	Wood fiber board	Blue Ridge Fiberboard, Inc.



APPROVED FASTENERS/ADHESIVES:

TABLE 3

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Dimensions</u>	<u>Manufacturer (With Current NOA)</u>
1.	Dekfast 12, Dekfast 14 & Dekfast 15 HS	Insulation fastener for wood, steel and concrete decks	Various	SFS Intec, Inc.
2.	Dekfast Galvalume Steel Hex Plate	Galvalume hex stress plate.	2 7/8" x 3 1/4"	SFS Intec, Inc.
3.	#12 Standard Roofgrip & #14 Roofgrip	Insulation and membrane fastener	Various	OMG, Inc.
4.	Flat Bottom Metal Plate	Galvalume AZ50 stress plate	3" square	OMG, Inc.
5.	Trufast #14 HD Fastener	Insulation fastener for steel and wood decks	Various	Altenloh, Brinck & Co. U.S., Inc.
6.	Trufast 3" Metal Insulation Plate	Galvalume steel plate	3" round	Altenloh, Brinck & Co. U.S., Inc.

APPROVED SURFACING:

TABLE 4

Chosen components must be applied according to manufacturer's application instructions.

<u>Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Application Rate</u>	<u>Specification</u>	<u>Manufacturer</u>
1.	Gravel	To be installed in a flood coat of approved asphalt at 60 lbs/sq	400 lbs/sq	N/A	Generic
2.	Slag	To be installed in a flood coat of approved asphalt at 60 lbs/sq	300 lbs/sq	N/A	Generic



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Name/Report</u>	<u>Report No.</u>	<u>Date</u>
Factory Mutual Research Corporation	4470	2W7A7.AM	08.04.94
	4470	3000857	01.12.00
	4470	3004091	01.12.00
	4470	3001334	02.15.00
Underwriters Laboratory	TAS 114	00NK20869	06.08.00
Trinity ERD	TAS 114	11751.05.03	05.30.03
	TAS 114	11758.08.03	08.11.03
	TAS 114	P1738.02.07	02.05.07
	TAS 117(B)-ASTM D6862	C8500SC.11.07	11.30.07
	ASTM D 6164 / D 6222	P10490.10.08-R1	10.03.08
	TAS 114	11757.12.00-1-R1	04.29.13
	TAS 114	11757.04.01-1-R1	04.30.13
PRI Asphalt Technologies	ASTM D6222	PUSA-062-02-01	12.04.07
	ASTM D6163	PUSA-064-02-02	02.27.08



APPROVED ASSEMBLIES

- Membrane Type:** SBS/APP
- Deck Type II:** Wood, Insulated
- Deck Description:** Min. $1\frac{19}{32}$ " plywood or wood plank attached to structural supports at a maximum of 24" o.c. with #8 screws at 6" o.c.
- System Type A(1):** All insulation layers are adhered to a mechanically attached anchor sheet. Membrane is subsequently adhered to insulation

All General and System Limitations apply.

One or more layers of the following:

- Anchor Sheet:** One ply of Polyglass G2 Base fastened to the deck as described below:
- Fastening #1:** Attach base sheet using 11 ga. annular ring shank and 1-5/8" diameter tin caps spaced 8" o.c. in a 4" lap and 8" o.c. in three equally spaced staggered rows in the center of the sheet.
- Fastening #2:** Attach base sheet using OMG Roofgrip Fasteners with Flat Bottom Metal Plates, Dekfast 14 with Dekfast Galvalume Steel Hex Plates, or Trufast #14 HD Fasteners with Trufast 3" Metal Insulation Plates spaced 12" o.c. in a 4" lap and 12" o.c. in two equally spaced staggered rows in the center of the sheet.

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ENRGY 3, ISO 95+ GL, ACFoam-II, ACFoam-III, H-Shield, Multi-Max FA-3 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot 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 may be used as a top layer placed with the polyisocyanurate side facing down.

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FescoBoard Minimum $\frac{3}{4}$ " thick	N/A	N/A
Structodek High Density Fiberboard Roof Insulation Minimum $\frac{1}{2}$ " thick	N/A	N/A
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Board Minimum $\frac{1}{4}$ " thick	N/A	N/A



Note: Apply top layer of insulation in a full mopping of any approved mopping 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 may be used as a top layer placed with the polyisocyanurate side facing down.

Base/Ply Sheet: One or more plies of Type IV or VI ply sheet adhered in full mopping of approved asphalt
(Optional) applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of TRI-BUILT APP Smooth, or TRI-BUILT APP Granular torch applied.

Surfacing: Install one of the approved surfacing products listed in Table 4 to obtain desired coating or
(Optional) required fire classification.

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



- Membrane Type:** SBS/APP
- Deck Type II:** Wood, Insulated
- Deck Description:** Min. 1⁹/₃₂" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with #8 screws at 6" o.c.
- System Type A(2):** All insulation layers are adhered to a mechanically attached anchor sheet. Membranes subsequently adhered to insulation

All General and System Limitations apply.

One or more layers of the following:

- Anchor Sheet:** One ply of Polyglass G2 Base fastened to the deck as described below:
- Fastening:** Attach anchor sheet using 11 ga. annular ring shank and 1-5/8" diameter tin caps spaced 8" o.c. in a 4" lap and 8" o.c. in three equally spaced staggered rows in the center of the sheet.

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ENRGY 3, ISO 95+ GL, AC Foam-II, AC Foam-III, H-Shield, Multi-Max FA-3 Minimum 1.5" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot 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 may be used as a top layer placed with the polyisocyanurate side facing down.

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FescoBoard Minimum 3/4" thick	N/A	N/A
Structodek High Density Fiberboard Roof Insulation Minimum 1/2" thick	N/A	N/A
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Board Minimum 1/4" thick	N/A	N/A

Note: Apply top layer of insulation in a full mopping of any approved mopping 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 may be used as a top layer placed with the polyisocyanurate side facing down.



- Base/Ply Sheet:** One ply of Type IV or VI ply sheet adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Membrane:** One ply of TRI-BUILT APP Smooth, or TRI-BUILT APP Granular, torch applied.
- Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.
- Maximum Design
Pressure:** -60 psf; (See General Limitation #7)



Membrane Type: SBS/APP
Deck Type II: Wood, Insulated
Deck Description: Min. 1⁹/₃₂" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with #8 screws at 6" o.c.
System Type B(1): Base layer of insulation mechanically fastened, top insulation layer adhered with approved asphalt. Membranes subsequently adhered to insulation.

All General and System Limitations apply.

One or more layers of the following:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
H-Shield, ENRGY 3 Minimum 1.5" thick	1 or 5	1:1.33 ft ²

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

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FescoBoard Minimum 3/4" thick	N/A	N/A
Structodek High Density Fiberboard Roof Insulation Minimum 1/2" thick	N/A	N/A

Note: Optional top layer of insulation shall be adhered with 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. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Ply Sheet: One ply of Type IV or VI ply sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.



Membrane: One ply of TRI-BUILT APP Smooth or TRI-BUILT APP Granular, torch applied.

Or

One ply of TRI-BUILT SBS Granular, torch or hot asphalt applied.

**Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

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



- Membrane Type:** SBS/APP
- Deck Type II:** Wood, Insulated
- Deck Description:** Min. 1⁹/₃₂" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with #8 screws at 6" o.c.
- System Type B(2):** Base layer of insulation mechanically fastened, top layer adhered with approved asphalt. Membranes subsequently adhered to insulation.

All General and System Limitations apply.

One or more layers of the following:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
H-Shield, ENRGY-3 Minimum 1.5" thick	1 or 5	1:1.33 ft ²

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

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FescoBoard Minimum 3/4" thick	N/A	N/A
Structodek High Density Fiberboard Roof Insulation Minimum 1/2" thick	N/A	N/A

Note: Optional top layer of insulation shall be adhered with 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. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

- Ply Sheet:** One ply of Type IV or VI ply sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.



Membrane: One ply of TRI-BUILT APP Smooth or TRI-BUILT APP Granular, torch applied.
Or

One ply of TRI-BUILT SBS Granular, torch or hot asphalt applied.

**Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

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



- Membrane Type:** SBS/APP
- Deck Type II:** Wood, Insulated
- Deck Description:** Min. 1⁹/₃₂" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with #8 screws at 6" o.c.
- System Type C(1):** All layers of insulation are mechanically attached to roof deck. Membranes subsequently adhered to insulation.

All General and System Limitations apply.

One or more layers of the following:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved Polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

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

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Roof Insulation Minimum 1/2" thick	1	1:1.33 ft ²
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Board Minimum 1/4" thick	1	1:1.33 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

- Ply Sheet:** One ply of Type IV or VI ply sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Membrane:** One ply of TRI-BUILT APP Smooth or TRI-BUILT APP Granular torch applied.
Or
One ply of TRI-BUILT SBS Granular, torch or hot asphalt applied.
- Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.
- Maximum Design
Pressure:** -52.5 psf; (See General Limitation #7)



- Membrane Type:** SBS/APP
- Deck Type II:** Wood, Insulated
- Deck Description:** Min. 1⁹/₃₂" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with 8d ring shank nails at 4" o.c.
- System Type C(2):** All layers of insulation are mechanically attached to roof deck. Membranes subsequently adhered to insulation.

All General and System Limitations apply.

One or more layers of the following:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved Polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

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

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Roof Insulation Minimum 1/2" thick	1	1:1.33 ft ²
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Board Minimum 1/4" thick	1	1:1.33 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

- Ply Sheet:** One ply of Type IV or VI ply sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Membrane:** One ply of TRI-BUILT APP Smooth or TRI-Built APP Granular torch applied.
Or
One ply of TRI-BUILT SBS Granular, torch or hot asphalt applied.
- Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.
- Maximum Design
Pressure:** -67.5 psf; (See General Limitation #7)



- Membrane Type:** SBS/APP
- Deck Type II:** Wood, Insulated
- Deck Description:** Min. 1⁹/₃₂" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with #8 screws at 6" o.c.
- System Type C(3):** All layers of insulation are mechanically attached to roof deck. Membranes subsequently adhered to insulation.

All General and System Limitations apply.

One or more layers of the following:

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any approved Polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A

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

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Roof Insulation Minimum 1/2" thick	1	1:1.33 ft ²
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Board Minimum 1/4" thick	1	1:1.33 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

- Ply Sheet:** One ply of Type IV or VI ply sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Membrane:** One ply of TRI-BUILT APP Smooth or TRI-BUILT APP Granular torch applied.
Or
One ply of TRI-BUILT SBS Granular, torch or hot asphalt applied.
- Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.
- Maximum Design
Pressure:** -82.5 psf; (See General Limitation #7)



Membrane Type: SBS/APP
Deck Type II: Wood, Insulated
Deck Description: Min. 19/32" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with 8d ring shank nails at 6" o.c.
System Type D(1): All layers of insulation and base sheet mechanically fastened. Membranes subsequently adhered to insulation.

All General and System Limitations apply.

One or more layers of the following:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any Approved Polyisocyanurate listed in Table 2 Minimum 1" thick	N/A	N/A
 <u>Top Insulation Layer (Optional)</u>	 <u>Insulation Fasteners (Table 3)</u>	 <u>Fastener Density/ft²</u>
FescoBoard Minimum 3/4" thick	N/A	N/A
Structodek High Density Fiberboard Minimum 1/2" thick	N/A	N/A
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Board Minimum 1/4" thick	N/A	N/A

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

Base Sheet: One ply of Polyglass G2 Base fastened to the deck as described below.
 * Requires torch-applied ply or cap sheet.

Fastening: Attach base sheet using OMG #14 Roofgrip fasteners with Flat Bottom Metal Plates, Dekfast 14 with Dekfast Galvalume Steel Hex Plates, with Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plates spaced 12" o.c. in a 4" lap and 12" o.c. in two equally spaced staggered rows in the center of the sheet.

Ply Sheet: (Optional) One ply of Type IV or VI ply sheet adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of TRI-BUILT APP Smooth or TRI-BUILT APP Granular torch applied.
 Or
 One ply of TRI-BUILT SBS Granular, torch or hot asphalt applied.



**Surfacing:
(Optional)**

Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design
Pressure:**

-52.5 psf; (See General Limitation #7)



Membrane Type: SBS/APP
Deck Type 1: Wood, Non- Insulated
Deck Description: Min. 1⁹/₃₂" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with #8 screws at 6" o.c.
System Type E(1): Base sheet is mechanically attached to roof deck. Membranes subsequently adhered.

All General and System Limitations apply.

Base Sheet: One ply of Polyglass G2 Base, fastened to the deck as described below:
*Requires torch-applied ply or cap sheet.

Fastening #1: (*Polyglass G2 Base*) Attach base sheet using 11 ga. annular ring shank and 1-5/8" diameter tin caps spaced 8" o.c. in a 4" lap and 8" o.c. in three equally spaced staggered rows in the center of the sheet

Fastening #2: Attach base sheet using OMG #14 Roofgrip fasteners with Flat Bottom Metal Plates, Dekfast 14 with Dekfast Galvalume Steel Hex Plates, or Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plates spaced 12" o.c. in a 4" lap and 12" o.c. in two equally spaced staggered rows in the center of the sheet.

**Ply Sheet:
(Optional)** One or more plies of Type IV or VI ply sheet adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of TRI-BUILT APP Smooth or TRI-BUILT APP Granular torch applied.
Or
One ply of TRI-BUILT SBS Granular, torch or hot asphalt applied.

**Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

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



Membrane Type: SBS/APP
Deck Type 1: Wood, Non-Insulated
Deck Description: Min. 1⁹/₃₂" plywood or wood plank attached to structural supports at a maximum of 24" o.c. with #8 screws at 6" o.c.
System Type E(2): Base sheet is mechanically attached to roof deck. Membranes subsequently adhered.

All General and System Limitations apply.

Base Sheet: One ply of Polyglass G2 Base fastened to the deck as described below:

Fastening: Attach base sheet using 11 ga. annular ring shank and 1-5/8" diameter tin caps spaced 8" o.c. in a 4" lap and 8" o.c. in three equally spaced staggered rows in the center of the sheet.

**Ply Sheet:
(Optional)** One or more plies of Type IV or VI ply sheet adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One ply of TRI-BUILT APP Smooth, or TRI-BUILT APP Granular torch applied.
Or
One ply of TRI-BUILT SBS Granular, torch or hot asphalt applied.

**Surfacing:
(Optional)** Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

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



WOOD DECK SYSTEM LIMITATIONS:

1. A slip sheet is required with Ply 4 and Ply 6 when used as a mechanically fastened base or anchor sheet.

GENERAL LIMITATIONS:

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

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

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

END OF THIS ACCEPTANCE



NOA No.: 17-0322.05
Expiration Date: 09/13/22
Approval Date: 09/14/17
Page 20 of 20