



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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www.miamidade.gov/economy

Beacon Sales Acquisition, Inc.
505 Huntmar Park Road
Herndon, VA 20170

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 SA Modified Bitumen Roofing Systems 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 consists of pages 1 through 13.

The submitted documentation was reviewed by Alex Tigera.



NOA No.: 20-0414.16
Expiration Date: 04/13/25
Approval Date: 06/11/20
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ROOFING ASSEMBLY APPROVAL

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	Modified Bitumen
<u>Material:</u>	SBS
<u>Deck Type:</u>	Wood
<u>Maximum Design Pressure</u>	-127.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Spec</u>	<u>Description</u>
TRI-BUILT SA Nailbase	39 ³ / ₈ " x 66'6"; Roll weight: 82 lbs. (2 squares)	ASTM D 4601, Type II	Fiberglass reinforced, SBS modified bitumen base sheet.
TRI-BUILT SA Plybase	39 ³ / ₈ " x 66'6"; Roll weight: 86 lbs. (2 squares)	ASTM D4601, Type II	Self-adhering, fiberglass reinforced, SBS modified bitumen base/ply sheet.
TRI BUILT FG Base Sheet 3SQ	39 ³ / ₈ " x 98'9"; Roll weight: 75 lbs. (3 squares)	ASTM D 4601 Type II UL Type G2	Asphalt coated, fiberglass base sheet.
TRI-BUILT SA Cap	39 ³ / ₈ " x 32'11"; Roll weight: 95 lbs. (1 square)	ASTM D 6164, Grade G, Type I	Self-adhering, polyester reinforced, SBS modified bitumen cap sheet.

APPROVED INSULATIONS:

TABLE 2

<u>Product</u>	<u>Product Description</u>	<u>Manufacturer (with current NOA)</u>
ACFoam-II	Polyisocyanurate insulation	Atlas Roofing Corp.
ENRGY 3	Polyisocyanurate insulation	Johns Manville Corp.
H-Shield	Polyisocyanurate insulation	Hunter Panels, a div. of Carlisle Const. Materials
Multi-Max FA-3	Polyisocyanurate insulation	Rmax Operating, LLC.
DensDeck Roof Board	Gypsum coverboard	Georgia Pacific Gypsum LLC.
DensDeck Prime Roof Board	Gypsum coverboard	Georgia Pacific Gypsum LLC.
SECUROCK Gypsum-Fiber Roof Board	homogenous fiber reinforced	USG Corp.



APPROVED FASTENERS:

TABLE 3

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (with current NOA)</u>
1.	Dekfast DF-#14-PH3	Roofing screw	SFS Group USA, Inc.
2.	Trufast #14 HD Fastener	Roofing screw	Altenloh, Brinck & Co. U.S., Inc.
3.	#14 Roogrip	Roofing screw	OMG, Inc.
4.	OMG Heavy Duty	Roofing screw	OMG, Inc.
5.	Dekfast DF-#12-PH3	Roofing screw	SFS Group USA, Inc.
6.	#12 Standard Roofgrip	Insulation fastener	OMG, Inc.
7.	3 in. Round Metal Plate	3" round galvalume AZ50 steel plate	OMG, Inc.
8.	Trufast #12 DP Fastener	Roofing screw	Altenloh, Brinck & Co. U.S., Inc.
9.	Dekfast PLT-H-2-7/8	hexagonal steel plate	SFS Group USA, Inc.
10.	Flat Bottom Metal Plate	3" square steel plate	OMG, Inc.
11.	Trufast 3" Metal Insulation Plate	3" round steel plate	Altenloh, Brinck & Co. U.S., Inc.
12.	ICP Adhesive CR-20	Polyurethane two component low rise insulation adhesive	ICP Adhesives and Sealants, Inc.
13.	Millennium One Step Foamable Adhesive	Polyurethane two component high rise insulation adhesive	H.B. Fuller Company
14.	OMG OlyBond 500 Adhesive	Spray polyurethane foam insulation adhesive	OMG, Inc.
15.	OMG OlyBond 500 Green Adhesive	Spray polyurethane foam insulation adhesive	OMG, Inc.
16.	Pliodeck Insulation Adhesive	Polyurethane one component low VOC adhesive system	Ashland, Inc.
17.	Insta Stik Quik Set Insulation Adhesive	Polyurethane one component moisture curing adhesive	The Dow Chemical Company

APPROVED SURFACING/COATING OPTIONS:

TABLE 4

Chosen components must be applied according to manufacturer's application instructions. Any coating, listed below, used as a surfacing, must be listed within a current NOA.

<u>System Number</u>	<u>Manufacturer</u>	<u>Application</u>
1.	Generic	Gravel applied at 400 lbs/sq., adhered with flood coat of asphalt at 60 lbs/sq.
2.	Generic	Slag applied at 300 lbs/sq., adhered with flood coat of asphalt at 60 lbs/sq.
3.	Karnak Corp.	Karnak (#97 AF) Fibrated Aluminum Roof Coating applied at an application rate of 1.5 gal/sq.
4.	Gardner Asphalt Corp.	APOC #212 Fibered Aluminum Roof Coating applied at an application rate of 1.5 gal/sq.
5.	Gardner Asphalt Corp.	APOC #400 Sunbrite applied at an application rate of 3 gal./sq.



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Underwriters Laboratories	R11656	UL790	Annually
Factory Mutual Research	2D5A9.AM	FM 4450	06/22/99
	3008869	FM 4470	03/19/01
	3009610	FM 4450	10/15/01
	3012321	FM 4450	07/29/02
	3014692	FM 4450	08/05/03
	3014751	FM 4450	08/12/03
	3025766	FM 4470	11/13/06
	3037127	FM 4470	01/11/10
	3039046	FM 4470	06/15/10
	3048520	FM 4470	09/19/13
Trinity ERD	3518.12.03	TAS 114-F/G/I	12/01/03
	3521.07.04	TAS 114-J & TAS 117(B)	07/28/04
	3522.07.04	TAS 114-D	07/28/04
	C8500SC.11.07-R1	ASTM D 6862/TAS 117(B)	08/07/09
	C8370.08.08-R1	TAS 114-H/J & TAS 117(B)	10/05/09
	C30310.12.09	TAS 114 / TAS 117	12/17/09
	C30560.06.10	TAS 114 / TAS 117	06/10/10
	C32830.07.10	FM 4470 / TAS 114	07/20/10
	C35500.02.11	TAS 117(B)	02/09/11
	3513.08.02-R1	TAS 114 / TAS 117	03/17/11
	C3519.12.03-R1	TAS 114-D/J & TAS 117(B)	04/15/11
	C35460.05.11	ASTM D1876	06/16/11
	03515.07.03-1-R1	TAS 114-J & TAS 117(B)	06/27/12
	C42110.08.12	TAS 114 & TAS 117	08/13/12
	C44580.07.13	ASTM D 1876, TAS 114, FM 4474	07/25/13
	C45620.03.14	ASTM D1876, TAS 114 (H), FM 4474	03/27/14
	C47350.50.14	FM 4470	05/22/14

APPROVED ASSEMBLIES

Membrane Type:	SBS MODIFIED, SELF-ADHERING
Deck Type 1:	Wood, Non-Insulated
Deck Description:	Deck 1: Min. $19/32$ " thick plywood attached using approved #8 wood screws spaced 6" o.c. at wood joists spaced max. 24" o.c. Deck 2: Minimum $19/32$ " thick plywood attached using approved nails spaced 4" o.c. at wood joists spaced maximum 24" o. c
System Type E(1):	Base sheet mechanically fastened

All General and System Limitations apply.

Separation Sheet: (Optional)	One or more layers of TRI-BUILT FG Base Sheet 3SQ, loose laid.
Anchor/Base Sheet:	One or more layers of TRI-BUILT SA Nailbase, mechanically attached as described below.
Fastening:	Anchor sheet shall be fastened with FBC HVHZ nails and tin caps spaced 8" o.c. at the 4" lap and 8" o.c. in three, equally spaced center rows.
Ply Sheet: (Optional)	One or more layers of TRI-BUILT SA Plybase, self-adhered.
Membrane:	One layer of TRI-BUILT SA Cap, self-adhered.
Surfacing: (Optional)	Any of the approved surfacing/coating options listed in Table 4.
Maximum Design Pressure:	For Deck 1: -52.5 psf (See General Limitation #7.) For Deck 2: -60.0 psf (See General Limitation #7.)



Membrane Type: SBS MODIFIED, SELF-ADHERING
Deck Type 1: Wood, Non-insulated
Deck Description: Minimum $1\frac{9}{32}$ " thick plywood attached using 8d ring shank nails spaced 6" o.c. at wood joists spaced maximum 24" o.c.
System Type E(2): Base sheet mechanically fastened.

All General and System Limitations apply.

**Separation Sheet:
(Optional)** One ply of TRI-BUILT FG Base Sheet 3SQ, loose laid.

Base Sheet: One or more layers of TRI-BUILT SA Nailbase, mechanically attached as described below.

Fastening: Fastened with FBC HVHZ nails and tin caps spaced 6" o.c. at the 3" lap and 6" o.c. in four, equally spaced staggered center rows.

**Ply Sheet:
(Optional)** One or more layers of TRI-BUILT SA Plybase, self-adhered.

Membrane: One layer of TRI-BUILT SA Cap, self-adhered.

**Surfacing:
(Optional)** Any of the approved surfacing/coating options listed in Table 4.

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



Membrane Type: SBS MODIFIED, SELF-ADHERING
Deck Type 1: Wood, Non-Insulated
Deck Description: Min $\frac{19}{32}$ " thick plywood at max 24" spans attached 6" o.c. using #8 wood screws.
System Type E(3): Base sheet mechanically fastened

All General and System Limitations apply.

Anchor/Base Sheet: One or more layers of TRI-BUILT SA Nailbase, mechanically attached as described below.

Fastening: Anchor sheet shall be fastened with FBC HVHZ nails and tin caps spaced 6" o.c. at the 3" lap and 6" o.c. in three, equally spaced center rows.

Ply Sheet: One or more layers of TRI-BUILT SA Plybase, self-adhered.

Membrane: One layer of TRI-BUILT SA Cap, self-adhered.

**Surfacing:
(Optional)** Any of the approved surfacing/coating options listed in Table 4.

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



Membrane Type: SBS MODIFIED, SELF-ADHERING
Deck Type 1: Wood, Non-Insulated
Deck Description: Min $\frac{19}{32}$ " thick plywood at max 24" spans attached 6" o.c. using #8 wood screws.
System Type E(4): Base sheet mechanically fastened

All General and System Limitations apply.

Anchor/Base Sheet: One or more layers of TRI-BUILT SA Nailbase, mechanically attached as described below.

Fastening: Anchor sheet shall be fastened with OMG #12 Standard Roofgrip with OMG 3 in. Round Metal Plates spaced 8" o.c. at the 3" lap and 8 o.c. in two, equally spaced center rows.

Primer: Apply ASTM D41 primer to stress plates.

**Ply Sheet:
(Optional)** One or more layers of TRI-BUILT SA Plybase, self-adhered.

Membrane: One layer of TRI-BUILT SA Cap, self-adhered.

**Surfacing:
(Optional)** Any of the approved surfacing/coating options listed in Table 4.

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



Membrane Type: SBS MODIFIED, SELF-ADHERING
Deck Type 1: Wood, Non-insulated
Deck Description: Minimum ¹⁹/₃₂" thick plywood attached using #10 wood screws spaced 6"o.c. at wood joists spaced maximum 24" o.c.
System Type E(5): Base sheet mechanically fastened.

All General and System Limitations apply.

**Separation Sheet:
(Optional)** One ply of TRI-BUILT FG Base Sheet 3SQ, loose laid.

Base Sheet: One or more layers of TRI-BUILT SA Nailbase, mechanically attached as described below.

Fastening: OMG 3 in. Round Metal Plates with OMG #14 Heavy Duty fasteners or TruFast 3" Metal Insulation Plate with TruFast #12 DP or TruFast #14 HD Fasteners spaced 6" o.c. at the 4" lap and 6" o.c. in three, equally spaced staggered center rows.

**Ply Sheet:
(Optional)** One or more layers of TRI-BUILT SA Plybase, self-adhered.

Membrane: One layer of TRI-BUILT SA Cap, self-adhered.

**Surfacing:
(Optional)** Any of the approved surfacing/coating options listed in Table 4.

Maximum Design Pressure: -97.5 psf. (See General Limitation #7)



Membrane Type: SBS MODIFIED, SELF-ADHERING
Deck Type 1: Wood, Non-Insulated
Deck Description: Min ¹⁹/₃₂" thick plywood at max 24" spans attached 6" o.c. using #8 wood screws.
System Type E(6): Base sheet mechanically fastened

All General and System Limitations apply.

Anchor/Base Sheet: One or more layers of TRI-BUILT SA Nailbase, mechanically attached as described below.

Fastening: Anchor sheet shall be fastened with FBC HVHZ nails and tin caps spaced 4" o.c. at the 3" lap and 4" o.c. in four, equally spaced center rows for a total of five rows.

Ply Sheet: One or more layers of TRI-BUILT SA Plybase, self-adhered.

Membrane: One layer of TRI-BUILT SA Cap, self-adhered.

**Surfacing:
(Optional)** Any of the approved surfacing/coating options listed in Table 4.

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



Membrane Type: SBS MODIFIED, SELF-ADHERING
Deck Type 1: Wood, Non-insulated
Deck Description: Minimum ¹⁹/₃₂" thick plywood attached using #10 wood screws spaced 4" o.c. at wood joists spaced maximum 24" o.c.
System Type E(7): Base sheet mechanically fastened.

All General and System Limitations apply.

**Separation Sheet:
(Optional)** One ply of TRI-BUILT FG Base Sheet 3SQ, loose laid.

Base Sheet: One or more layers of TRI-BUILT SA Nailbase, mechanically attached as described below.

Fastening: OMG 3 in. Round Metal Plates with OMG #14 Heavy Duty fasteners or TruFast 3" Metal Insulation Plate with TruFast #12 DP or TruFast #14 HD Fasteners spaced 6" o.c. at the 4" lap and 6" o.c. in four, equally spaced staggered center rows.

**Ply Sheet:
(Optional)** One or more layers of TRI-BUILT SA Plybase, self-adhered.

Membrane: One layer of TRI-BUILT SA Cap, self-adhered.

**Surfacing:
(Optional)** Any of the approved surfacing/coating options listed in Table 4.

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



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 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.
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 with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



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