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)

BASF Corporation
1703 Crosspoint Avenue
Houston, TX 77054

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: Foam 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 revises NOA No. 18-0222.02 and consists of pages 1 through 6.
The submitted documentation was reviewed by Jorge L. Acebo.

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Spray Applied Polyurethane Roof System
Materials:	Polyurethane
Deck Type:	Wood
Maximum Design Pressure:	**- 97.5 psf.**

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
FE 348-2.5 or Elastospray 81255 or SKYTITE 2.5	2.5 lbs./ft^3 density	TAS 110	Polyurethane spray applied foam that utilizes an HFC blowing agent intended for roofing applications.
FE 348-2.8 or Elastospray 81285 or SKYTITE 2.8	2.8 lbs./ft^3 density	TAS 110	Polyurethane spray applied foam that utilizes an HFC blowing agent intended for roofing applications.
FE 348-3.0 or Elastospray 81305 or SKYTITE 3.0	3.0 lbs./ft^3 density	TAS 110	Polyurethane spray applied foam that utilizes an HFC blowing agent intended for roofing applications.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

Product	Dimensions	Test Specifications	Product Description	Manufacturer
Any Miami-Dade County Approved Roof Coating	N/A	As Required by Miami-Dade PCA	Roof coating for application over polyurethane spray applied foam.	Generic. (with current PCA)
Securock Gypsum Fiber Roof Board	4’ x 8’ x ½”	TAS 110	A rigid, gypsum based board stock for use as an overlayment, underlayment or bonding surface.	USG Corporation (with current NOA)
Drill-Tec XHD	#15 x 16” max. length. #3 phillips head	TAS 114 TAS 117	Truss head, self-drilling, pinch point, high thread fastener for use in wood, steel or concrete decks.	GAF (with current NOA)
Drill-Tec 3” Standard Steel Plate	3" round	TAS 114	3" round galvalume steel plate.	GAF (with current NOA)

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
PRI Construction Materials Technologies, LLC	BAS-050-02-01	TAS 110	04/05/18
UL LLC	R9865	UL 790/ASTM E 108	07/15/19
Atlantic & Caribbean Roof Consulting, LLC	ACRC 07-008	TAS 114-J	01/18/07
	ACRC 07-009	TAS 114-J	02/16/07
Factory Mutual Research Corp.	3016938	4470/4880	12/20/04
	3028285	4470/4880	07/27/07
	3015667	4470/4880	05/02/05

APPROVED ASSEMBLIES:

Deck Type 1I: Wood, Insulated

Deck Description: 19/32" or greater plywood or wood plank attached to structural supports spaced a maximum of 24 in. o.c. with 8d ring shank nails spaced maximum 6 in. o.c.

System Type C: Sprayed polyurethane foam covered with an Approved Miami-Dade County roof coating installed over a mechanically fastened insulation board.

Deck Attachment: In accordance with applicable Building Code, but in no case shall it be less than:
#8 Ring shank nails spaced 6" o.c. at the field of the plywood sheet and #10 Ring shank nails spaced 4" o.c. at the perimeter of the plywood sheet. The above attachment method must be in addition to existing attachment.

All General and System Limitations apply.

One layer of the following insulation.

Insulation Layer	Insulation Fasteners	Fastener Density/ft2
SECUROCK Gypsum-Fiber Roof Board Minimum .5" thick	**Drill-Tec XHD Fastener & 3" Steel Plate**	**1:2**

Note: 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.

Surface Preparation: Metal surfaces should be primed according to BASF Corporation and coating manufacturers' recommendations. Primer shall be thoroughly cured prior to application of foam.

All surfaces shall be free of moisture, dust, debris, oils, tars, grease or other materials that will as recommended by BASF Corporation impair adhesion of the polyurethane foam to the insulation board.

Primers shall be applied in accordance with their manufacturer's instructions. All primers must be thoroughly dry and cured prior to foam application.

Polyurethane Foam Application: The polyurethane foam shall be applied uniformly over the entire surface at the specified thickness in compliance with the requirements set forth in Roofing Application Standard RAS 109, But in no case shall it be less than **1"**. The sprayed polyurethane foam shall be feathered at the edges to produce a smooth transition.

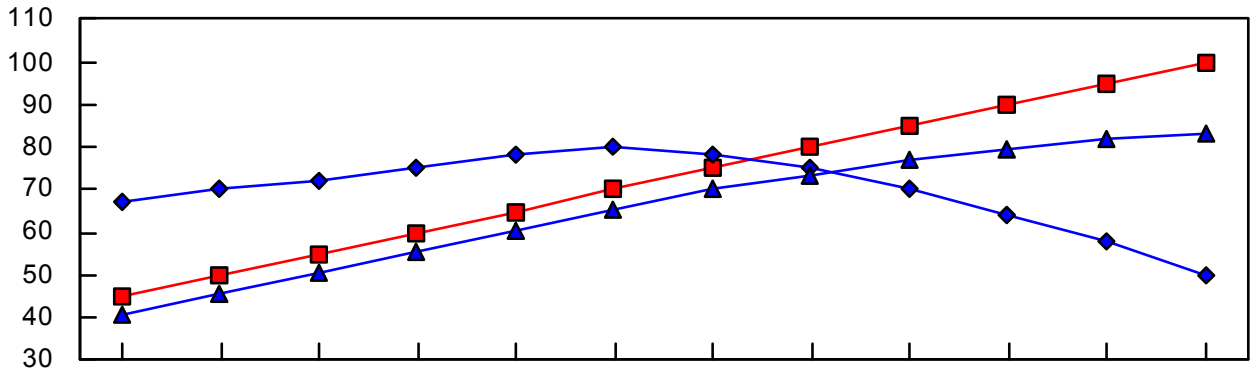
Protective Coating Application: Shall apply a Miami-Dade County approved roof coating with a current NOA applied in accordance with the guidelines listed in the NOA.

Polyurethane foam surface shall be free of moisture, dust, debris, oils, tars, grease or other materials that will as recommended by BASF Corporation impair adhesion of the protective coverings. Any damage or defects to the polyurethane foam surface shall be repaired prior to the coating application. The coating shall be applied the same day as the foam when possible. If more than 72 hours elapse prior to the application of the coatings, the polyurethane foam shall be inspected for UV degradation.

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

TABLE 1
AMBIENT HUMIDITY APPLICATION LIMITS
SPRAYED POLYURETHANE FOAM

BASF Corporation
Air Temp/ Humidity/ Dew point Guideline



	45	67	40.5	50	70	45.5	55	72	50.5	60	75	55.5
Air	45	50	55	60	65	70	75	80	85	90	95	100
Hu	67	70	72	75	78	80	78	75	70	64	58	50
De	40.5	45.5	50.5	55.5	60.5	65.5	70	73.5	77	79.5	82	83

Dew point and relative humidity for given dry bulb temperature.

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. Spray polyurethane foam shall not be sprayed when ambient temperature is within 5 degrees of the dew point. Ambient humidity applications limits shall be as listed in Table 1 herein. Contractor shall monitor and record environmental conditions in the Job Log in compliance with RAS 109. Job Log shall be maintained at the job site and accessible to The Building Official.
3. Flashings and waterproof coverings for expansion joints shall be of compatible materials and in accordance with BASF Corporation published literature.
4. Miscellaneous materials such as adhesives, elastomeric caulking compounds, metal, vents and drains shall be a composite part of the roof system and shall be compatible with the foam and coating.
5. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
6. 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.
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.)**

END OF THIS ACCEPTANCE