



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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Gaco Western LLC
1245 Chapman drive
Waukesha, WI 53186

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: GACO WESTERN GacoRoofFoam over Wood Decks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city and state of manufacturing facility, 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. 13-0206.02 and consists of pages 1 through 5.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 15-0114.06
Expiration Date: 11/01/17
Approval Date: 08/06/15
Page 1 of 5

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Spray Applied Polyurethane Roof System
Materials: Polyurethane
Deck Type: Wood
Maximum Design Pressure: - 105 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
GacoRoofFoam 273	N/A	TAS 110	Polyurethane spray applied foam that utilizes an HFC blowing agent intended for roofing applications.
GacoRoofFoam 2733	N/A	TAS 110	Polyurethane spray applied foam that utilizes an HFC blowing agent intended for roofing applications.
A3100R Acrylic Top Coat	28 mil thickness	ASTM D6083	An acrylic white elastomeric quick set coating for application over spray polyurethane foam roof systems.
S 1000 Top Coat	2.2 gallons per 100/ft. ²	ASTM D6694	A white, gray or tan silicone-based elastomeric coating for application over spray polyurethane foam roof systems.
S 2000 Base Coat/Top Coat	1.5 gallons per 100/ft. ²	ASTM D6694	A single component, no-solvent, moisture cured, silicone-based rubber elastomeric coating for application over spray polyurethane foam roof systems.
E5320 Epoxy Emulsion Primer	N/A	proprietary	Two component epoxy emulsion general purpose primer for spray applied polyurethane foam to various substrates.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
Any Miami-Dade County Approved Roof Coating	Various	As Required by Miami-Dade County PCA	Roof coating for application over polyurethane spray applied foam.	Generic. (with current PCA)



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials Technologies, LLC	GWI-003-02-01	TAS 110 SPUF Physical Properties	01/09/07
	GWI-002-02-201	ASTM D 6083/Fed Spec TT-C-555B	01/09/07
	GWI-001-02-01	ASTM D 6694/Fed Spec TT-C-555B	04/10/07
	GWI-004-02-01	ASTM D 6694/Fed Spec TT-C-555B	05/13/08
	GWI-007-02-01	ASTM D 6083/Fed Spec TT-C-555B	01/09/07
Underwriters Laboratories Factory Mutual	R5663	UL 790	06/12/14
	3023644	4470	02/02/07
	3052963	4470	10/21/14
Intertek	102219761MID-001	TAS 110 SPUF Physical Properties	07/22/15
	102206114MID-001	ASTM C273/D1622	07/22/15
Atlantic & Caribbean Roof Consulting, LLC	ACRC 11-029	TAS 114-J	05/24/11



APPROVED ASSEMBLIES:

- Deck Type 1:** Wood, Non-Insulated
- Deck Description:** 19/32” or greater plywood or wood plank
- System Type E:** Sprayed polyurethane foam covered with an Approved Miami-Dade County roof coating installed over a primed mechanically fastened anchor sheet.
- 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 and the perimeter of the plywood sheet. With support members having a maximum spacing of 24” o.c. The above attachment method must be in addition to existing attachment.

All General and System Limitations apply.

- Anchor Sheet:** One ply of GAF GAFGLAS Stratavent Eliminator perforated venting base sheet, primed and mechanically fastened to the deck as described below:
- Fastening:** Attach anchor sheet using approved 1 ¼” ring shank roofing nails and tin caps spaced 7” o.c. in the 2” side laps and 7” o.c. in two staggered rows in the field of the sheet.
- Surface Preparation:** Metal surfaces should be primed according to Gaco Western LLC and coating manufacturers’ recommendations. Primer shall be thoroughly cured prior to application of foam.

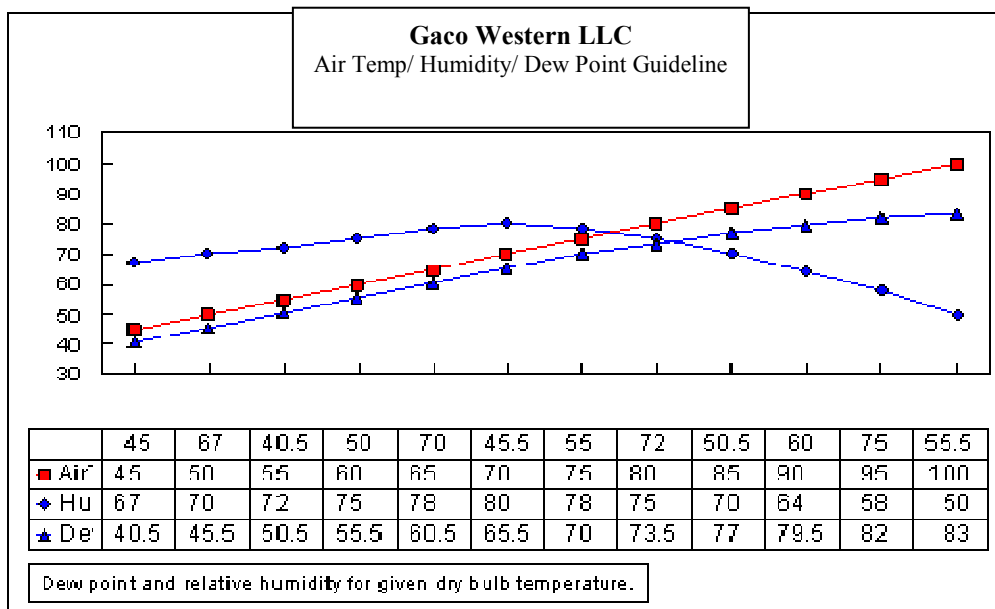
For ferrous metal, remove loose rust and unsound primer from shop-primed iron and steel surfaces by scraping, wire brushing or sandblasting. Prime according to Gaco Western LLC and coating manufacturer’s recommendations. For non-ferrous metals, clean and prime aluminum, copper and stainless steel surfaces as recommended by Gaco Western LLC.

Gaco Western GacoFlex E-5320 Epoxy Emulsion Primer shall be reduced with 1 pint of water per gallon of primer and applied with a roller onto the surface of the anchor sheet. 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:** Apply a Miami-Dade County approved roof coating with a current NOA applied in accordance with the guidelines listed in the coating’s NOA.

Polyurethane foam surface shall be free of moisture, dust, debris, oils, tars, grease or other materials that will 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:** -105 psf. (See General Limitation #7.)



**TABLE 1
 AMBIENT HUMIDITY APPLICATION LIMITS
 SPRAYED POLYURETHANE FOAM**



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

