



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 315-2599

www.miamidade.gov/economy

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 Recover 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. 12-0426.07 and consists of pages 1 through 7.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 15-0114.05
Expiration Date: 05/31/17
Approval Date: 08/06/15
Page 1 of 7

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Spray Applied Polyurethane Roof System
Materials:	Polyurethane
Deck Type	Recover
Maximum Design Pressure:	- 90 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	N/A	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 D6083/Fed Spec TT-C-555B	01/09/07
	GWI-001-02-01	ASTM D6694/Fed Spec TT-C-555B	04/10/07
	GWI-004-02-01	ASTM D6694/Fed Spec TT-C-555B	05/13/08
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

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

<u>Engineer/Agency</u>	<u>Identifier</u>	<u>Assemblies:</u>	<u>Date</u>
FM Approval Deck Limitations	N/A	A(1)	01/01/13



APPROVED ASSEMBLIES:

Deck Type 7: Recover

Deck Description: Minimum 22 ga. (0.0281” thick), Type B-WR, Grade 33, steel deck with maximum 6’ spans secured to the min. ¼” thick steel deck supports with Buildex Teks 5 fasteners 6” o.c. (every rib). Side laps secured with Buildex Teks 1 fasteners at 30” o.c. with an existing granule or smooth surface Modified Bitumen or BUR roof system.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type A(1): Sprayed polyurethane foam covered with an Approved Miami-Dade County roof coating.

All General and System Limitations apply.

Surface

Preparation: For recover applications, existing roof shall be in compliance with applicable Building Code and Roofing Application Standard RAS 109.
Substrate shall be primed in accordance with Gaco Western LLC recommendations, and shall be free of loose dirt, grease, oil or other contaminants prior to priming or foam application. Remove all loose dirt or debris by use of compressed air, vacuum or brooming. No washing shall be permitted. Oil, grease, release agents or other contaminants shall be removed with proper cleaning solutions.
Primers shall be applied in accordance with the manufacturer’s instructions. All primers must be thoroughly dry and cured prior to foam application.

Polyurethane Foam

Application: The polyurethane foam shall be applied directly and uniformly over the entire surface at the specified thickness in compliance with the requirements set forth in Roofing Application Standard RAS 109. 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 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: -90 psf. (See General Limitation #6)



- Deck Type 7:** Recover
- Deck Description:** Min. 2500 psi structural concrete deck or wood deck; with an existing granule or smooth surface Modified Bitumen or BUR roof system.
- System Type A(2):** Sprayed polyurethane foam covered with an Approved Miami-Dade County roof coating.

All General and System Limitations apply.

Surface

Preparation: For recover applications, existing roof shall be in compliance with applicable Building Code and Roofing Application Standard RAS 109.

Substrate shall be primed in accordance with Gaco Western LLC recommendations, and shall be free of loose dirt, grease, oil or other contaminants prior to priming or foam application. Remove all loose dirt or debris by use of compressed air, vacuum or brooming. No washing shall be permitted. Oil, grease, release agents or other contaminants shall be removed with proper cleaning solutions.

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

Polyurethane Foam Application:

The polyurethane foam shall be applied directly and uniformly over the entire surface at the specified thickness in compliance with the requirements set forth in Roofing Application Standard RAS 109. 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.

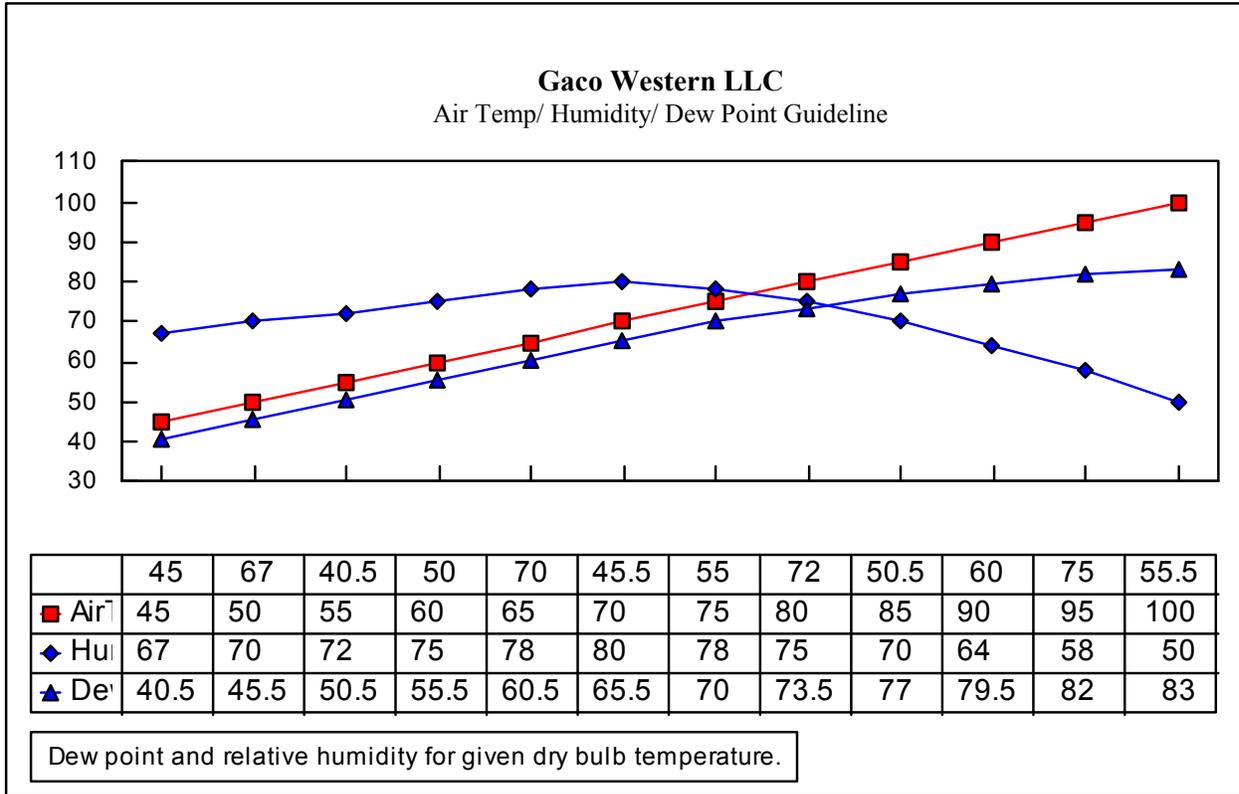
Polyurethane foam surface shall be free of moisture, dust, debris, oils, tars, grease or other materials that will impair adhesion of the protective coverings. Any damage or defects to the polyurethane foam surface shall be repaired prior to the coating application. The coating shall be applied the same 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:

-90 psf. (See General Limitation #6)



TABLE 1
AMBIENT HUMIDITY APPLICATION LIMITS
SPRAYED POLYURETHANE FOAM



RECOVER SYSTEM LIMITATIONS:

1. The moisture content of an existing roof system shall be in compliance with applicable Building Code.
2. Existing low slope roof systems shall be tested for uplift resistance in compliance with Testing Application Standard TAS 124 to the calculated design pressures of the field, perimeter and corner areas, determined in compliance with applicable Building Code.
3. Lightning rods shall be masked prior to foaming. Lightning rod cables shall not be embedded in the polyurethane foam and should be removed prior to foaming. Electrical and mechanical conduits should be relocated or raised above the finished roof surface.



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 Technical Roofing Solutions, Inc. 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 attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and the wind load requirements of applicable building code.
6. 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).

END OF THIS ACCEPTANCE

