



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**SWD Urethane
222 South Date Street
Mesa, AZ 85210**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 and the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: COATED FOAM ROOF SYSTEM OVER STEEL 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 6.
The submitted documentation was reviewed by Jorge L. Acebo.



**NOA No.: 08-0422.06
Expiration Date: 02/04/14
Approval Date: 02/04/09
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ROOFING COMPONENT APPROVAL

Category:	Roofing
Sub-Category:	Spray Applied Polyurethane Roof System
Materials:	Polyurethane
Deck Type	Steel
Maximum Design Pressure	-502.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
SWD Quik-Shield® 125 Spray Polyurethane Foam	2.5-3.0 lb/ft ³ density	TAS 110	Polyurethane spray applied foam that utilizes an HFC blowing agent intended for roofing applications.
SWD Quik-Shield® 1929F Acrylic Coating	25 mil thickness	ASTM D6083 TT-C-555B	An acrylic white elastomeric quick set coating for application over spray polyurethane foam roof systems.

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	SWDU-003-02-01	ASTM C 273	08/06/08
	SWDU -002-02-201	ASTM D 6083	10/30/06
		Fed Spec TT-C-555B	
Intertek Testing Services	3153890COQ-004	ASTM D 2842	01/08/09
		ASTM E 96	
	3146694COQ-011	ASTM D 1621	01/08/09
		ASTM D 1622	
		ASTM D 1623	
		ASTM D 2126	
Atlantic & Caribbean Roof Consulting, LLC	ACRC 08-052	TAS 114-D	10/28/08
	ACRC 08-051	TAS 114-J	09/25/08
Factory Mutual Research	3023039	4470/4880	04/21/05



APPROVED ASSEMBLIES:

- Deck Type 2:** Steel
- Deck Description:** Minimum 22 ga. Type B-WR G90 Steel Deck .
- System Type A(1):** Sprayed polyurethane foam applied directly to steel deck and covered with an Approved Miami-Dade County roof coating.

All General and System Limitations apply.

Deck Requirements: Deck and attachment thereof shall be in compliance with the relevant decking Chapter of the Florida Building Code.

Surface

Preparation: Metal surfaces if required; should be primed according to SWD Urethane and coating manufacturers’ recommendations. Primer(s)/Sealer(s) shall be thoroughly cured prior to application of foam.

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

Primer(s)/Sealer(s) shall be applied if required; in accordance with their manufacturer’s instructions. All Primer(s)/Sealer(s) 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 Roofing Application Standard RAS 109. The sprayed polyurethane foam shall be feathered at the edges to produce a smooth transition.

**Protective Coating Application:
(Choose One)**

SWD Quik-Shield® | 1929F Acrylic Coating shall be applied to achieve a minimum dry thickness of 25 mils.

Or

Apply a Miami-Dade County approved roof coating with a current NOA, that is compatible with this system and is applied in accordance with the guidelines listed in the products NOA.

The 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 base coat shall be applied the same day as the foam when possible. If more than 72 hours elapse prior to the application of the base coat, the polyurethane foam shall be inspected for UV degradation.

Maximum Design Pressure:

-502.5 psf (See General Limitation # 6)



Deck Type 2: Steel

Deck Description: Minimum 22 ga. FM approved painted or galvanized steel deck with maximum 6' spans secured to the min. ¼" thick steel deck supports with Buildex Tek's 4 or Tek's 5 fasteners 6" o.c. (every rib). Side laps secured with Buildex Tek's 1 fasteners at 30" o.c. Deck is washed with a trisodium phosphate (TSP) and water solution, rinsed and allowed to dry.

System Type A(2): Sprayed polyurethane foam applied directly to steel deck and covered with an Approved Miami-Dade County roof coating.

All General and System Limitations apply.

Surface

Preparation: Metal surfaces if required; should be primed according to SWD Urethane and coating manufacturers' recommendations. Primer(s)/Sealer(s) shall be thoroughly cured prior to application of foam.

For ferrous metal, remove loose rust and unsound primer(s)/sealer(s) from shop-primed iron and steel surfaces by scraping, wire brushing or sandblasting. Prime according to SWD Urethane and coating manufacturer's recommendations. For non-ferrous metals, clean and prime aluminum, copper and stainless steel surfaces as recommended by SWD Urethane.

Primer(s)/Sealer(s) shall be applied if required; in accordance with their manufacturer's instructions. All Primer(s)/Sealer(s) 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 Roofing Application Standard RAS 109. The sprayed polyurethane foam shall be feathered at the edges to produce a smooth transition.

Protective Coating Application:
(Choose One)

SWD Quik-Shield® | 1929F Acrylic Coating shall be applied to achieve a minimum dry thickness of 25 mils.

Or

Apply a Miami-Dade County approved roof coating with a current NOA, that is compatible with this system and is applied in accordance with the guidelines listed in the products NOA.

The 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 base coat shall be applied the same day as the foam when possible. If more than 72 hours elapse prior to the application of the base coat, the polyurethane foam shall be inspected for UV degradation.

Maximum Design Pressure:

-75 psf (See General Limitation # 6)



Deck Type 2: Steel

Deck Description: Minimum 22 ga. FM approved painted or galvanized steel deck secured as per approval to supports having a maximum span of 6'.

System Type A(3): Sprayed polyurethane foam applied directly to steel deck and covered with an Approved Miami-Dade County roof coating.

All General and System Limitations apply.

Deck Requirements: Deck and attachment thereof shall be in compliance with the relevant decking Chapter of the Florida Building Code.

Surface

Preparation: Metal surfaces if required; should be primed according to SWD Urethane and coating manufacturers' recommendations. Primer(s)/Sealer(s) shall be thoroughly cured prior to application of foam.

For ferrous metal, remove loose rust and unsound primer(s)/sealer(s) from shop-primed iron and steel surfaces by scraping, wire brushing or sandblasting. Prime according to SWD Urethane and coating manufacturer's recommendations. For non-ferrous metals, clean and prime aluminum, copper and stainless steel surfaces as recommended by SWD Urethane.

Primer(s)/Sealer(s) shall be applied if required; in accordance with their manufacturer's instructions. All Primer(s)/Sealer(s) 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 Roofing Application Standard RAS 109. The sprayed polyurethane foam shall be feathered at the edges to produce a smooth transition.

Protective Coating Application: SWD Quik-Shield® | 1929F Acrylic Coating shall be applied to achieve a minimum dry thickness of 25 mils.
(Choose One)

Or

Apply a Miami-Dade County approved roof coating with a current NOA, that is compatible with this system and is applied in accordance with the guidelines listed in the products NOA.

The 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 base coat shall be applied the same day as the foam when possible. If more than 72 hours elapse prior to the application of the base coat, the polyurethane foam shall be inspected for UV degradation.

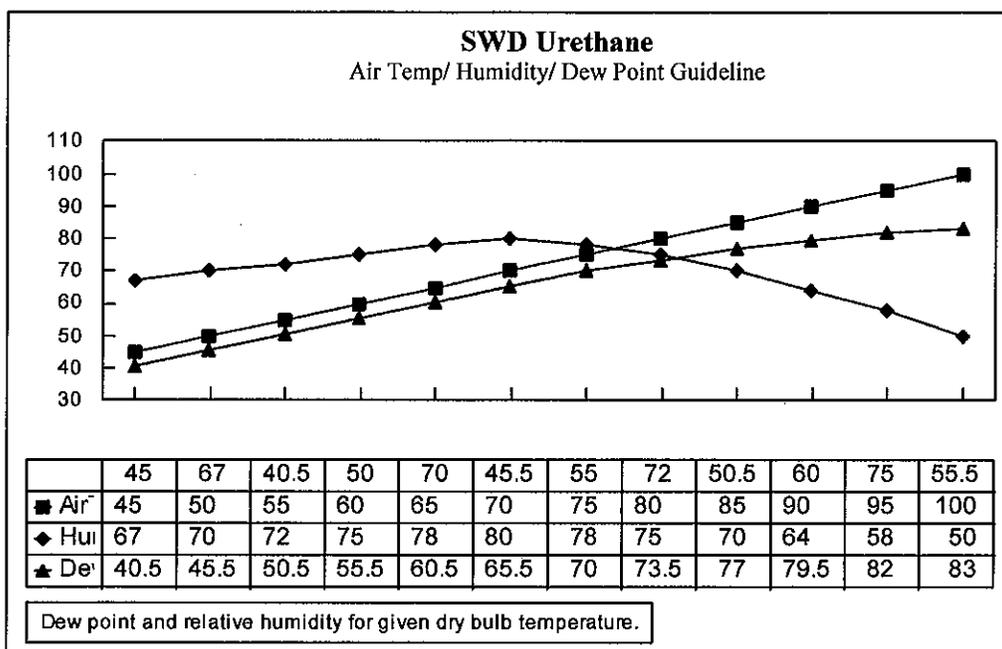
Maximum Design Pressure:

-45 psf (See General Limitation # 6)



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**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 SWD Urethane's 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

