MIAMI-DADE

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)

Polythane Systems, Inc
2400 Spring-Stuebner Rd.
Spring, TX 77389

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: SH200 Polyurethane Foam & Evercoat 500/510 Coatings

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 renews NOA # 00-0512.13 and consists of pages 1 through 6.
The submitted documentation was reviewed by Frank Zuloaga, RRC

PRODUCT CONTROL ACCEPTED

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Spray Applied Polyurethane Foam
Material:	Polyurethane Foam
Deck Type:	Concrete
Maximum Design Pressure	-83 psf
Fire Classification:	See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
Polythane PSI SH200-30	N/A	PA 110	Polyurethane spray applied foam that utilizes a HCFC blowing agent intended for roofing applications.
Evercoat 500/510	27 mil. thickness	PA 129	Elastomeric acrylic coating for application over polyurethane spray applied foam.
Evercoat 500	N/A	PA 129	White top base coat of 100% elastomeric acrylic latex coating for spray applied polyurethane foam.
Evercoat 510	N/A	PA 129	Gray base coat of 100% elastomeric acrylic latex coating for spray applied polyurethane foam.
Evercoat 100 Primer	N/A	N/A	Single component water based general purpose primer for spray applied polyurethane foam to various substrates.
Evercoat 102 Primer	N/A	N/A	Single component water based general purpose primer for spray applied polyurethane foam to various substrates.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Trinity Engineering, Inc.	#4680.11.95-1	PA 114 Appendix "D"	11/29/95
Underwriters Laboratories Inc.	R12134 (N)	UL 1897	12/09/93
Underwriters Laboartories Inc.	90NK28403	UL 790	03/22/91
Center for Applied Engineering, Inc.	257497	PA 129 PA 143	06/06/96
Celotex Corporation Testing Services	257994	ASTM E 96 ASTM D 1623 ASTM C 273	04/23/97
Celotex Corporation Testing Services	528639	ASTM D 2842 ASTM D 2126 ASTM D 1621	10/12/98
Celotex Corporation Testing Services	520067	ASTM D 6083 ASTM D 522	11/11/98
Celotex Corporation Testing Services	520067	ASTM D 6083 ASTM D 2370	11/25/98
Celotex Corporation Testing Services	520067	ASTM D 6083 ASTM D 4798	05/10/99
Celotex Corporation Testing Services	520596	ASTM D 6083 ASTM C 794	04/17/00

AMBIENT HUMIDITY APPLICATION LIMITS SPRAYED POLYURETHANE FOAM:

Table 1

Maximum Wet Bulb and Relative Humidity for a Given Dry Bulb Reading						
Dry Bulb Temp. (°F)	Wet Bulb Temp. (°F)	R.H. (%)		Dry Bulb Temp. (°F)	Wet Bulb Temp. (°F)	R.H. (%)
45	43	81		73	69	82
46	44	81		74	70	82
47	45	81		75	71	82
48	46	81		76	72	82
49	47	81		77	73	82
50	48	81		78	73	82
51	48	81		79	74	82
52	49	81		80	75	82
53	50	81		81	76	82
54	51	81		82	77	82
55	52	81		83	78	82
56	52	81		84	79	82
57	53	81		85	80	82
58	54	81		86	81	82
59	55	81		87	82	82
60	56	81		88	83	82
61	57	81		89	84	82
62	58	82		90	85	82
63	59	82		91	86	82
64	60	82		92	87	82
65	61	82		93	88	82
66	62	82		94	89	82
67	63	82		95	90	82
68	64	82		96	91	82
69	65	82		97	92	82
70	66	82		98	93	82
71	67	82		99	94	82
72	68	82		100	95	82

NOTE: Spray polyurethane foam shall not be sprayed when environmental conditions are beyond the temperature and relative humidity limits listed in this Table, (see System Limitations 1).

APPROVED SYSTEMS:

Deck Type 3: Concrete

Deck Description: 2500 psi structural concrete or concrete plank

System Type: Sprayed polyurethane foam covered with an elastomeric acrylic coating.

All General and System Limitations apply.

Deck Requirements: Concrete decks shall be in compliance with Chapter 25 of the South Florida Building Code and Section 6.2 of Miami-Dade County Roofing Application Standard RAS 109.

Surface Preparation: Deck shall be free of loose dirt, grease, oil or other contaminants prior to priming or foam application. Remove 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 manufacturers instructions. All primers must be thoroughly dry and cured prior to foam application.

All joint openings in concrete decks that exceed 1/4 inch shall be grouted or caulked.

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 Miami-Dade County Roofing Application Standard RAS 109. The sprayed polyurethane foam shall be feathered at the edges to produce a smooth transition.

Protective Coating Application: Evercoat 500/510 elastomeric acrylic coating shall be applied to achieve a minimum dry thickness of 27 mils.

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: -83 psf (See General Limitation #4)

Maximum Fire Classification: See General Limitation #1

Maximum Slope: See General Limitation #1

SYSTEM LIMITATIONS:

1 Spray polyurethane foam shall not be sprayed when environmental conditions are beyond the temperature and relative humidity limits listed in Table 1 of this approval. Contractor shall monitor and record environmental conditions in job log in compliance with RAS 109. Job log shall be maintained at the job site and accessible to The Building Official.

2 Adhesion testing of foam to substrate and coating to foam shall be performed in compliance with Roofing Application Standard RAS 109.

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. All work shall performed by a Polythane Systems' trained and approved applicator familiar with the details and specifications published by Polythane Systems.
3. 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.
4. 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).
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

END OF THIS ACCEPTANCE