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)

Bayer MaterialScience, LLC
100 Bayer Road
Pittsburgh, PA 15228

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: Bayseal SPF & Bayblock Acrylic Coatings over Steel Deck

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 and revises NOA No. 05-1202.01 and consists of pages 1 through 6.
The submitted documentation was reviewed by Jorge L. Acebo

MIAMI-DADE COUNTY APPROVED

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Spray Applied Polyurethane Foam
Material:	Polyurethane Foam
Deck Type:	Steel
Maximum Design Pressure	-105 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
Bayseal 3.0	N/A	TAS 110	Polyurethane spray applied foam that utilizes an HFC blowing agent intended for roofing applications
Bayblock II / Bayblock Base	27 mil. thickness	TAS 129	Elastomeric acrylic coating for application over polyurethane spray applied foam.
Bayblock II	N/A	TAS 129	White top base coat of 100% elastomeric acrylic latex coating for spray applied polyurethane foam.
Bayblock Base	N/A	TAS 129	Gray base coat of 100% elastomeric acrylic latex coating for spray applied polyurethane foam.
Bayblock Prime 100	N/A	N/A	Single component water based general purpose primer for spray applied polyurethane foam to various substrates.
Bayblock Prime 102	N/A	N/A	Single component water based general purpose primer for spray applied polyurethane foam to various substrates.
Any Miami-Dade County Approved Roof Coating	Various	As Required by Miami-Dade County PCA	Generic. (with current PCA)

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Trinity Engineering, Inc.	#4680.11.95-1	TAS 114 Appendix "D"	11/29/95
Underwriters Laboratories Inc.	R12134 (N)	UL 1897	12/09/93
.	90NK28403	UL 790	03/22/91
Center for Applied Engineering, Inc.	257497	TAS 129 TAS 143	06/06/96
Celotex Corporation Testing Services	257994	ASTM E 96 ASTM D 1623 ASTM C 273	04/23/97
	528639	ASTM D 2842 ASTM D 2126 ASTM D 1621	10/12/98
	520067	ASTM D 6083 ASTM D 522	11/11/98
	520067	ASTM D 6083 ASTM D 2370	11/25/98
	520067	ASTM D 6083 ASTM D 4798	05/10/99
	520596	ASTM D 6083 ASTM C 794	04/17/00
Factory Mutual	3016938 3022954 3026505	4470	01/13/05 03/24/05 03/21/06

APPROVED SYSTEMS:

Deck Type 2: Steel

Deck Description: 26 gage steel, Minimum

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

All General and System Limitations apply.

Deck Requirements: Steel decking and attachment thereof shall be in compliance with the Florida Building Code and Roofing Application Standard RAS 109. Deck shall be washed with a trisodium phosphate (TSP) and water solution, rinsed, and allowed to dry.

Surface Preparation: Metal surfaces should be primed with epoxy primer or Bayblock Prime 100 or 102 Primer. 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 BaySystems recommendations. For non-ferrous metals, clean and prime aluminum, copper and stainless steel surfaces as recommended by BaySystems.

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 Bayseal SPF 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 Bayseal SPF shall be feathered at the edges to produce a smooth transition.

Protective Coating Application: (Choose One) Bayblock II / Bayblock Base elastomeric acrylic coating shall be applied to achieve a minimum dry thickness of 27 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.

Bayseal SPF 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 Bayseal SPF 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: -105 psf (See General Limitation #4)

SYSTEM LIMITATIONS:

1 Bayseal SPF 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 BaySystems' 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 to 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

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