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)

Conklin Company, Inc.
551 Valley Park Drive
Shakopee, MN 55379

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 the BCCO and accepted by the Building Code and Product Review Committee (BCPRC) 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 BCCO (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. BCPRC reserves the right to revoke this acceptance, if it is determined by BCCO 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: Benchmark Elastomeric Roof Coating Systems

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 renews NOA # 01-1120.10 and consists of pages 1 through 6.
The submitted documentation was reviewed by Alex Tigera.

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ROOFING SYSTEM APPROVAL

Category: Roof System
Sub-Category: Coatings & Cements
Fire Classification See General Limitations #1

PRODUCT DESCRIPTION:

Manufactured by Applicant	Dimensions	Test Specifications	Product Description
Benchmark Elastomeric Coating	N/A	TAS 143	An elastomeric waterproofing compound, applied with or without Conklin Spunflex reinforcing fabric, for applications over new or existing non-structural metal roof panel systems, smooth or granulated BUR and sprayed applied polyurethane foam roof assemblies.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Center For Applied Engineering, Inc.	257545	TAS 129 & TAS 143	11/08/96
	257876	ASTM C794	12/16/96
Factory Mutual Research	J.I. 0B2A7.AM	4470	10/04/96
Momentum Technologies Inc.	CX11K7A	TAS 143	02/11/08

PHYSICAL PROPERTIES OF COMPONENTS:

Trade name: Benchmark Elastomeric Coating System

Thickness: See Systems Approvals Below.

Container Size: 5, 55 and 220 gallon containers. Note all cautions on container label.

Systems Approvals: Methods of application and quantities shall comply with the details enumerated under the specific fire classification as listed in a current approved roofing materials directory.

For applications over new sprayed polyurethane foam systems, refer to the specific Roof Assembly Product Control Notice of Acceptance and the maximum design pressures noted therein.

For application over metal roofing systems and smooth or granulated BUR systems, refer to the specific Roof System Manufacturer's Assembly Product Control Approval and the maximum design pressure noted therein.

For applications over existing smooth or granulated BUR systems. Refer applicable building code for requirements

LIMITATION

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this products.
2. Conklin's Benchmark Elastomeric Roof Coating System shall not be applied in inclement weather conditions.
3. All products listed herein shall have an unannounced follow-up quality control program from an approved listing agency. Follow up test result shall be made available to BCCO upon request.
4. All approved products listed herein shall be labeled in compliance with TAS 121 and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

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5. Change in materials, use or manufacture of any of the products listed herein shall be cause for termination of this Notice of Acceptance.
6. These roof coatings shall not be applied over, prepared roofing; i.e., fibercement shingles, quarry slate, cement or clay roof tile, metal shingles, wood shingles or shakes.
7. Benchmark Roof Cements and Coatings is not approved to be used as a repair or recover system.

APPROVED ROOF COATING APPLICATIONS

System Type I: Spray applied Polyurethane Foam Roof & Benchmark waterproofing system. Must comply with Spray applied Polyurethane Foam Roof Assembly manufacturer's current Notice of Acceptance (NOA).

All General Limitations apply.

Coating: The surface shall be clean, sound and dry prior to application. All surface preparation shall be in compliance with the coating and foam manufacturer's published application instructions and the foam manufacturer's current Notice of Acceptance (NOA). Apply one coat of Benchmark base coat and one coat of Benchmark top coat using a ¾" nap roller or airless spray equipment at an application rate of a minimum combined thickness of 27 dry mils:

Base Coat: Apply Benchmark base coat to the entire substrate at an application rate of a minimum thickness of 13.5 dry mils.

Top Coat: Apply Benchmark top coat to the entire base coat at an application rate of a minimum thickness of 13.5 dry mils.

Surfacing: None.

Maximum Design Pressure: Must comply with Spray applied Polyurethane Foam Roof Assembly manufacturer's current Notice of Acceptance (NOA).

System Type A: Metal Roof Panel & Benchmark waterproofing system
Must comply with Metal Roof Panel Assembly manufacturer's current Notice of Acceptance (NOA).

All General Limitations apply.

Coating: The surface shall be clean, sound and dry prior to. All surface preparation shall be in compliance with the coating manufacturer's published application instructions and applcable building code.

Base Coat: All horizontal (end lap) seams are coated 6" wide with Benchmark base coat at a rate of 1.75 gallons per 200 lineal feet with an immediately embed 5" wide Spunflex fabric into the wet coating.

All vertical seams are coated 3 ½ " wide with Benchmark base coat at a rate of 1.75 gallons per 200 lineal feet with an immediately embed 2 ½ " wide Spunflex fabric into the wet coating.

After the application of base coat and fabric, apply a second coat of Benchmark base coat at a rate of .75 gallons per 200 lineal feet to both horizontal and vertical seams.

Top Coat: Apply Benchmark top coat to the entire roof surface including all horizontal and vertical seams. Top coat is applied at a rate of 1.9 gallons per 100 square feet. The dry mil thickness of coating membrane over seams shall be a minimum of 48 mils. The dry mil thickness of coating membrane over the field of the roof shall be a minimum of 13.5 mils.

Surfacing: None.

Maximum Design Pressure: Must comply with Metal Roof Panel Assemblies manufacturer's current Notice of Acceptance (NOA).

Deck Type 9I Must comply with Smooth or Granuled BUR System manufacturer's current Notice of Acceptance (NOA).

System Type F: Existing BUR Roof & Benchmark maintanence coating.

All General Limitations apply.

Coating: The surface shall be clean, sound and dry prior to application Benchmark coating. All surface preparation shall be in compliance with the coating manufacturer's published application instructions and applicable building code. Apply one coat of Benchmark base coat and one coat of Benchmark top coat using a ¾" nap roller or airless spray equipment at an application rate of a minimum thickness of 27 dry mils:

Base Coat: Apply Benchmark base coat to the entire substrate at an application rate of a minimum thickness of 13.5 dry mils.

Top Coat: Apply Benchmark top coat to the entire base coat at an application rate of a minimum thickness of 13.5 dry mils.

Surfacing: None.

Maximum Design Pressure: N/A

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. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. 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.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
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