



**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)

**3M Company
3M Center Building 207-1W-08
St. Paul, MN 55144**

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: 3M Scotch-Clad™ TC Deck Coating System

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 consists of pages 1 through 4.
The submitted documentation was reviewed by Frank Zuloaga, RRC



**NOA No.: 03-0109.02
Expiration Date: 04/24/08
Approval Date: 04/24/03
Page 1 of 4**

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Waterproofing
Materials: Polyurethane
Maximum Design Pressure 878 psf
Fire Classification: N/A

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
3M Scotch-Clad™ TC Base Coat	Available in 5. and 55 gallons	ASTM C 957	Two part, chemical curing, fast cure, low odor, solvent free, aliphatic, high performance coating.
3M Scotch-Clad™ TC Top Coat	Available in 5. and 55 gallons	ASTM C 957	Two part, moisture curing, aliphatic, low odor, fast cure, solvent free, high performance coating.
CP 100	N/A	N/A	Concentrate urethane primer for use over concrete surfaces.
Concrete Primer 2271	N/A	N/A	A water based primer for use over concrete surfaces.
Aggregate	N/A	N/A	3M approved 12-20 mesh silica sand or 24 mesh silicon carbide, which imparts the non slip texture and contributes to wear resistance.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Product Date</u>
PRI Asphalt Technologies, Inc.	MMM-002-02-01	ASTM C 957	11/19/02
Omega Point Laboratories	15654-112237 15654-112943 15654-112944 15654-112945	ASTM E 108	12/18/02



APPROVED APPLICATIONS:

- Deck Type 1** Concrete Decks, Roof Plaza Decks, Parking Decks, New Construction
- Deck Description:** Min. 2500 psi, structural concrete (roof plaza and parking decks)
- System Types F:** Scotch-Clad™ TC Systems
- Substrate Preparation:** All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of any non-compatible curing compounds, form release agents and other surface contaminants. Substrate shall be smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Contact 3M for additional information on substrate and application.
- Primer:** Apply to deck at a rate of 400 ft²/gal.
- Base Coat:** Apply minimum 22 wet mils (73ft²/gal) of Scotch-Clad TC Base Coat to the entire area to be coated, including all detail coats, but excluding expansion joints. Use a 3M notched squeegee, followed by backrolling to evenly distribute coating and eliminate pinholes. Base coat shall be allowed to cure a minimum of 4-6 hours.
- Top Coat:**
- TC-1 System:**
Apply minimum 11 wet mils (145 ft²/gal) of Scotch-Clad TC Top Coat to the entire area using a 3M notched squeegee, followed by backrolling to evenly distribute coating. Immediately following the application of the Scotch-Clad TC Top Coat, broadcast a 4-5 lbs/100ft² of silicon carbide in to wet Scotch-Clad TC Top Coat and back roll.
- TC-2 System:**
Apply minimum 22 wet mils (73 ft²/gal) of Scotch-Clad TC Top Coat to the entire area using a 3M notched squeegee, followed by backrolling to evenly distribute coating. Immediately following the application of the Scotch-Clad TC Top Coat, broadcast a 25-27 lbs/100ft² of silica sand in to wet Scotch-Clad TC Top Coat and backroll.
- TC-3 System:**
Apply minimum 28 wet mils (57 ft²/gal) of Scotch-Clad TC Top Coat to the entire area using a 3M notched squeegee, followed by backrolling to evenly distribute coating. Immediately following the application of the Scotch-Clad TC Top Coat, broadcast a 29-31 lbs/100ft² of silica sand in to wet Scotch-Clad TC Top Coat and backroll.
- TC-4 System:**
Apply minimum 34 wet mils (47 ft²/gal) of Scotch-Clad TC Top Coat to the entire area using a 3M notched squeegee, followed by backrolling to evenly distribute coating. Immediately following the application of the Scotch-Clad TC Top Coat, broadcast a 38-40 lbs/100ft² of silica sand in to wet Scotch-Clad TC Top Coat and backroll.
- Integrity Test:** Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.



Inspection: Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.

Maximum Design Pressure: 878 psf

GENERAL LIMITATIONS:

1. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection. Allow coating to cure a minimum of 48 hours before testing.
2. Scotch-Clad™ TC Systems shall be installed solely by approved applicators familiar with the details and approved by 3M Company, and only with approved equipment.
3. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by 3M Company, shall be submitted to the Building Official for review.
4. 3M Company, Scotch-Clad™ TC Systems shall not be installed without consultation with 3M Company, if ambient or surface temperature is below 40°F. Do not apply to wet or frozen concrete surface.
5. 3M Company, Scotch-Clad™ TC Systems shall not be installed over lightweight insulating concrete.
6. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and the wind load requirements of applicable Building Code.

END OF THIS ACCEPTANCE

