



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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NOTICE OF ACCEPTANCE (NOA)

MBC North America, Inc. dba Alchemco
3532 Mayland Ct.
Henrico, VA. 23233

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: TechCrete 2500 Waterproofing Agent

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 revises NOA# 21-0422.04 and consists of pages 1 through 5.

The submitted documentation was reviewed by Alex Tigera.

11/28/24



NOA No.: 22-0119.01
Expiration Date: 05/13/26
Approval Date: 11/28/24
Page 1 of 5

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Waterproofing
Deck Type: Concrete
Material: Proprietary
Maximum Design Pressure: -502.5psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
TechCrete 2500	1 gallon bottles, 5 gallon pails, 55 gallon drums	Proprietary	Bio-based, gel forming, modified silicate solution designed to enhance waterproofing and durability of concrete surface.
ACR Accelerating Agent	1 gallon bottles, 5 gallon pails, 55 gallon drums	Proprietary	A calcium rich solution to enhance the formulation of bio-based gel
ACR Crack & Void	1 gallon bottles, 5 gallon pails, 55 gallon drums	Proprietary	A concentrated calcium rich solution to enhance the formulation of bio-based gel

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer (With current NOA)</u>
Ceramic Tiles	Min. 12" x 12" x 1/2"	ANSI A137.1	Pre-manufactured ceramic tiles for use as overburden surfacing.	Generic
Portland Cement	n/a	ANSI A118.1	Type I Portland Cement.	Generic

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Product Date</u>
Intertek	L7530.01-106-18 R0	Physical Properties	04/07/21
PRI Construction Materials Technologies LLC	2436T0003	TAS 114 App D	08/16/23



APPROVED APPLICATIONS:

Deck Type 1 Concrete Decks, Parking Decks, Terraces, Balconies, Roof Plaza Decks, Concrete Planters

Deck Description: Min. 3000 psi Concrete

System Type A(1): TechCrete 2500 Waterproofing Agent

All General Limitations apply.

Substrate Preparation: Concrete must be fully cured (28 days) and structurally sound. Surface must be clean, dry and dust-free. If the surface is not clean then refer to manufactures published manual for preperation of the surface.

Apply ACR Crack & Void to larger cracks after the TechCrete 2500 application, using a pump spraryer at a minimum rate of 1 gallon per 200 linear ft. Refer to manufactures current published installation instrutions for further details.

Apply ACR Accelerating Agent to the treated substrate using a pump spraryer at a minimum rate of 1 gallon per 200 sq.ft. Refer to manufactures current published installation instrutions for further details.

TechCrete 2500: Apply TechCrete 2500 to the prepared substrate using a pump sprayer at a minimum rate of 1 gallon per 200 sq.ft. Water after it is touch dry to activate the formulation. Refer to manufactures current published installation instructions for further details.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.

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

Maximum Design Pressure: N/A



Deck Type 1 Concrete Decks, Parking Decks, Terraces, Balconies, Roof Plaza Decks with Ceramic Tiles
Deck Description: Min. 3000 psi Concrete
System Type A(2): TechCrete 2500 Waterproofing Agent

All General Limitations apply.

Substrate Preparation: Concrete must be fully cured (28 days) and structurally sound. Surface must be clean, dry and dust-free. If the surface is not clean then refer to manufactures published manual for preperation of the surface.

Apply ACR Crack & Void to larger cracks after the TechCrete 2500 application, using a pump spraryer at a minimum rate of 1 gallon per 200 linear ft. Refer to manufactures current published installation instructions for further details.

Apply ACR Accelerating Agent to the treated substrate using a pump spraryer at a minimum rate of 1 gallon per 200 sq.ft. Refer to manufactures current published installation instructions for further details.

TechCrete 2500: Apply TechCrete 2500 to the prepared substrate using a pump sprayer at a minimum rate of 1 gallon per 200 sq.ft. Water after it is touch dry to activate the formulation. Refer to manufactures current published installation instructions for further details.

Integrity Test: Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.

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

Surfacing: Ceramic Tiles approved for exterior use (12" x 12" x 1/2" pre-manufactured ceramic tiles) set with ANSI A118.1 portland cement mortar bed.

Maximum Design Pressure: -502.5psf (See General Limitation # 9)



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. A copy of the integrity test report described herein in accordance with ASTM D5957 shall be provided to the Building Official for review at time of final inspection.
3. Contractor shall submit to the Building Official for review the system specifications and details. Submission of these documents, as well as the proper application and installation of all materials shall be the sole responsibility of the contractor.
4. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by Alchemco and shall be submitted to the Building Official for review.
5. All work shall be performed by a Contractor licensed to do roofing/waterproofing and be a Manufacturer Trained 'Qualified Applicator' approved by Alchemco. Alchemco shall supply a list of approved applicators to the authority having jurisdiction.
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.
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. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
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.)**
10. TechCrete 2500 shall not be installed over lightweight insulating concrete.
11. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

