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)

Sealoflex Waterproofing Systems, Inc.
2516 Oscar Johnson Dr.
Charleston, SC 29405

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: Sealoflex Waterproofing System for Lightweight Concrete Decks

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. 07-0212.06 and consists of pages 1 through 6.
The submitted documentation was reviewed by Jorge L. Acebo.

MIAMI-DADE COUNTY APPROVED

NOA No.: 10-0608.03
Expiration Date: 10/13/15
Approval Date: 11/04/10

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Waterproofing
Materials: Elastomeric
Maximum Pressure -267.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
Cemflex Concentrate	1 or 5 gal.	TAS 114	Additive used to produce Cemflex Slurry, a base liquid coat for use over concrete substrates.
Sealoflex Pink®	1 or 5 gal.	ASTM D 6083	Base and saturation liquid coat
Metal Etch Primer™	1 or 5 gal.	Proprietary	Primer for all unprotected metal surfaces.
Sealobond Primer WB™	1 or 5 gal	Proprietary	Primer for use over painted concrete, wood or steel, or unpainted masonry substrates.
Sealoflex Fabric™ or Sealoflex Deck Fabric™		Proprietary	Non-woven polyester reinforcing fabric for use in the Sealoflex roof system.
Sealoflex Finish Coat™	1 or 5 gal.	ASTM D 6083	Top waterproofing coating.
Sealoment Plus™	50 lb. bags	Proprietary	Primer for concrete or lightweight concrete.
Sealoflex CT Pink™	1 or 5 gal.	ASTM D 6083	Solvent borne, base and saturation coat.
Sealoflex CT Top™	1 or 5 gal.	ASTM D 6083	Solvent borne, single components roof coating.
Corabase ™	50 lb. bags	Proprietary	Polymer modified portland cement powder used as a tile adhesive
Wearcoat™	1 or 5 gal.	Proprietary	Liquid applied emulsion coating (available in smooth or non-skid version containing aggregate) for pedestrian traffic surfaces.
Coraflex™	1 or 5 gal.	Proprietary	Liquid applied, water dispersed resin based coating for pedestrian traffic surfaces.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
Dampseal 101™	1 gal. or 1 qt. kits	Proprietary	Two component epoxy primer for use over concrete.
Sealoflex Flashing Grade ™	1 gal. or 1 qt. kits	Proprietary	Trowellable or brushable waterborne paste.
Sealoflex Buttergrade™	1 or 5 gal.	Proprietary	Trowellable waterborne paste for surfacing irregular substrates.
Sealopatch™	50 lb. bags	Proprietary	Portland cement based single component thixotropic patching and repair mortar.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

Product	Dimensions	Test Specification	Product Description	Manufacturer
Concrete Pavers	Min. 24" x 24" x 1½"	ASTM C902	4000 psi Min. Compressive strength, 5% water absorption max.	Generic
Ceramic Tiles	Min. 12" x 12" x ½"	ASTM C902	Ceramic plaza deck walking tiles, 5% water absorption max.	Generic

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Specification	Date
Celotex Testing Center, Inc.	MTS Job No. 258211	TAS 143	05/20/98
Exterior Research & Design, LLC.	#4213.07.97-1	TAS 114-D/J	10/20/00
	#4213.09.00-1R	TAS 114-D/J	10/25/05
	4210.06.02	TAS 114-C/D/J	06/17/02
PRI Asphalt Technologies	SOF-007-02-01	ASTM D6083	07/14/04
Trinity | ERD	4210.01.07-R1	TAS 114-D	05/07/07
	S30750.03.10	ASTM D 6083	03/24/10

APPROVED ASSEMBLIES:

Deck Type 4:	Lightweight Concrete Decks, Non-Insulated
Deck Description:	Minimum 250 psi Cellular Lightweight Insulating Concrete over structural concrete decks; with a minimum pull out value (withdrawal resistance) of 117 lbf. When tested with an ES Products FM-90 Base Ply Fastener.
System Type F(1):	Sealoflex-CT
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Membrane Flashing:	All cracks, expansion joints, base flashings, penetrations and junctures at horizontal/vertical changes in plane shall be flashed with Sealoflex Fabric and Sealoflex CT Pink in accordance with Sealoflex published details. For vertical surfaces the Sealoflex Fabric shall extend at least 6" into the horizontal surface. At field and wall expansion joints, install Sealoflex Fabric 6" to both sides of the joint. All drains areas shall be pre-detailed with Sealoflex CT Pink and Sealoflex Fabric extending 6 inches beyond the drain flange on all sides and secured by the clamping ring to the drain. Drain must be maintained free to weep at membrane level.
Primer:	Apply Sealoment Plus to the lightweight concrete surface at a rate of 250 ft^2/50 lb bag. Allow to cure at least 24 hours
Base Coat:	Apply a moderate base coat of Sealoflex CT Pink to the prepared area and embed Sealoflex Fabric directly into the wet base coat. Use a clean, dry brush to fully embed the fabric, removing any wrinkles or bubbles. Allow to dry until the fabric is firmly adhered (minimum 30 minutes). Apply a saturation coat of Sealoflex CT Pink to fully saturate the fabric from above. Fabric joints shall be overlapped a minimum of 3".
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.
Top Coat:	Apply two (2) coats of Sealoflex CT Top at a total rate of 70 ft^2/gal.
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.
Surfacing: **(Choose A <u>or</u> B)**	A. Ceramic plaza deck tiles embedded into Sealoflex Corabase applied to the top Sealoflex-CT Top coating with a ¼" trowel. (See General Limitation # 10) **<u>OR</u>** B. Apply Wearcoat at a rate of 90 ft^2/gal. or Coraflex at a rate of 20 ft^2/gal. (See General Limitation # 10)
Maximum Design Pressure:	**-267.5 psf** (See General Limitation #9) with Ceramic plaza deck tiles surfacing. **-230.0 psf** (See General Limitation #9) with Wearcoat or Coraflex surfacing.

Deck Type 4:	Lightweight Concrete Decks, Non-Insulated
Deck Description:	Elastizell, Celcore or Mearlcrete Cellular Lightweight Insulating Concrete (250 psi minimum), over structural concrete decks
System Type F(2):	Sealoflex-CT
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Membrane Flashing:	All cracks, expansion joints, base flashings, penetrations and junctures at horizontal/vertical changes in plane shall be flashed with Sealoflex Fabric and Sealoflex CT Pink in accordance with Sealoflex published details. For vertical surfaces the Sealoflex Fabric shall extend at least 6" into the horizontal surface. At field and wall expansion joints, install Sealoflex Fabric 6" to both sides of the joint. All drains areas shall be pre-detailed with Sealoflex CT Pink and Sealoflex Fabric extending 6 inches beyond the drain flange on all sides and secured by the clamping ring to the drain. Drain must be maintained free to weep at membrane level.
Primer:	Apply Sealoment Plus to the lightweight concrete surface at a rate of 250 ft^2/50 lb bag. Allow to cure at least 24 hours
Base Coat:	Apply a moderate base coat of Sealoflex CT Pink to the prepared area and embed Sealoflex Fabric directly into the wet base coat. Use a clean, dry brush to fully embed the fabric, removing any wrinkles or bubbles. Allow to dry until the fabric is firmly adhered (minimum 30 minutes). Apply a saturation coat of Sealoflex CT Pink to fully saturate the fabric from above. Fabric joints shall be overlapped a minimum of 3".
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.
Top Coat:	Apply two (2) coats of Sealoflex CT Top at a total rate of 70 ft^2/gal.
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.
Surfacing:	Apply Wearcoat at a rate of 90 ft^2/gal. or Coraflex at a rate of 20 ft^2/gal. (See General Limitation # 10)
Maximum Design Pressure:	**-230 psf.** (for Elastizell) (See General Limitation #9) **-262.5 psf.** (for Celcore) (See General Limitation #9) **-255.0 psf.** (for Mearlcrete) (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. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection.
3. All work shall be performed by a Contractor licensed to do roofing/waterproofing. Contractor shall be approved by Sealoflex Waterproofing Systems, Inc. Sealoflex Systems shall be installed solely by approved applicators and only with applicator's equipment approved by Sealoflex Waterproofing Systems, Inc.
4. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by Sealoflex, shall be submitted to the Building Official for review.
5. Sealoflex Waterproofing Systems shall not be installed without consultation with Sealoflex, Inc. if ambient or surface temperature is below 50°F. Do not apply to wet or frozen concrete surface.
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. Installation must be by a Factory Trained 'Qualified Applicator' approved and licensed by Sealoflex, Inc. Sealoflex, Inc. shall supply a list of approved applicators to the authority having jurisdiction
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. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
11. All approved products listed herein shall be labeled 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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END OF THIS ACCEPTANCE