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
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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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Sealoflex Roof System over Wood 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 revises NOA No. 02-0108.05 and consists of pages 1 through 7.
The submitted documentation was reviewed by Jorge L. Acebo.

PRODUCT CONTROL ACCEPTED

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Liquid Applied Roof Sytems
Deck Type:	Wood
Maximum Design Pressure	**-85 psf**
Fire Classification:	See General Limitation #1

TABLE 1
TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
Sealoflex Pink®	1 or 5 gal.	TAS 143	Base liquid coat.
Sealoflex Finish Coat™	1 or 5 gal.	TAS 143	Top waterproofing coating.
Sealoflex Pink CT™	1 or 5 gal.	Proprietary	Solvent borne, foundation coat
Sealoflex CT™	1 or 5 gal.	Proprietary	Solvent borne, single components roof coating.
Sealoflex Fabric™ or Sealoflex Deck Fabric™		Proprietary	Non-woven polyester reinforcing fabric for use in the Sealoflex roof system.
Cemflex Concentrate	1 or 5 gal.	PA 114	Additive used to produce Cemflex Slurry, a base liquid coat for use over concrete substrates.
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.
Sealoment Plus™	50# bags	Proprietary	Primer for concrete or lightweight concrete
Dampseal 101™	1 gal. or 1 quart kits	Proprietary	Two component epoxy primer for use over concrete
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
Corabase Onepack™	50# bags	Proprietary	Polymer modified portland cement powder used as a tile adhesive.
Sealoflex Flashing Grade™	1 or 5 gal.	Proprietary	Trowellable or brushable waterborne paste
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 dispursed, resin based coating for pedestrian traffic surfaces.

TABLE 2

APPROVED FASTENERS:

Product	Description	Dimensions	Manufacturer
# 12 Insulfixx S	Steel, Tuff-Tite (black or purple)	#12 dia. by 8 in. (203 mm) max length	SFS Intec Inc. (With current NOA)
Olympic HD	Carbon Steel, CR-10 or Answer Coating (black)	#14 Heavy Duty 1 $^1/_4$" to 14 in. (3.2 to 35.6 cm)	Olympic Fasteners (With current NOA)
#14 Dekfast	Carbon Steel, Sentri (black)	#14 dia. by 14 in. (356 mm) max length	Contruction Fasteners (With current NOA)
#14 Roofgrip	Carbonsteel, SPEX (black) or Climaseal (blue)	#14 dia. by 8 in.(203mm) max length	ITW Buildex Inc. (With current NOA)

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Dynatech Engineering Corp.	4211-12.94-2	Uplift Resistance PA 114, Appendix D	12/18/94
Dynatech Engineering Corp.	4213.04.95-1	Adhesion Performance PA 114, Appendix H	04/01/95
Exterior Research & Design, LLC.	#7050.02.96-1	Adhesion Performance PA 114, Appendix H	03/01/96
Exterior Research & Design, LLC.	#4210.04.96-1	Adhesion Performance PA 114, Appendix H	05/28/96
Exterior Research & Design, LLC.	#4451.11.95-1	Adhesion Performance PA 114, Appendix H	11/14/95
Exterior Research & Design, LLC.	#4213.07.97-1	Uplift Resistance PA 114, Appendix D	07/15/97
Intertek Testing Services NA, Inc.	Job No. J97017119	Fire Resistance PA 114, Appendix A (UL 790, ASTM E 108)	01/12/98
Celotex Testing Center, Inc.	MTS Job No. 258211	Physical Properties PA 143	05/20/98
Celotex Testing Center, Inc.	52-8454-12-1&2 52-8454-15-1 52-8454-16-1 52-8454-17-1	PA 101	11/24/98
Celotex Testing Center, Inc.	52-0191-3	PA 101	02/23/99
Exterior Research & Design, LLC.	#4213.09.00-1	PA 114	10/20/00
Exterior Research & Design, LLC.	4234.05.05	TAS 114	05/04/05

APPROVED ASSEMBLIES:

Deck Type 1I: Wood, Insulated

Deck Description: 19/32" or greater plywood or wood plank

System Type A: All layers of insulation are adhered to a mechanically attached anchor sheet. Sealoflex System applied.

All General and System Limitations Apply

One layer of the following insulation.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft2
DensDeck Minimum ¼" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in a full mopping of approved asphalt within the EVT range at a rate of 20-40 lbs/100 ft2 or ¾" to 1" diameter beads of Insta-Stik Roofing Adhesive spaced 6" o.c. or 3" to 3½" wide ribbons of TITESET Roofing Adhesive spaced 6" o.c. Insta-Stik beads or TITESET ribbons shall be placed atop anchor sheet fastener rows. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Anchor Sheet: PermaPly 28, GAFGLAS #75, Sopra-G or other Miami-Dade Approved ASTM D4601, type II sheet mechanically fastened to the deck as described below:

Fastening Options: Anchor sheet attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 6" o.c. at the lap and 6" o.c. in three equally spaced rows in the field of the sheet.

Membrane: Sealoflex Pink or Sealoflex Pink CT at 40 ft²/gal followed by Sealoflex Fabric or Sealoflex Deck Fabric with 3" overlaps followed by a saturation coat of Sealoflex Pink or Sealoflex Pink CT and, upon drying, two coats of Sealoflex Finish Coat or Sealoflex CT at a combined rate of 70 ft²/gal.

Surfacing: (Optional) Apply Wearcoat at a rate of 90 ft²/gal or Coraflex at a rate of 20 ft²/gal.

Maximum Design Pressure: **-60.0 psf** (See General Limitation #7)

Deck Type 1I: Wood, Insulated, New Construction

Deck Description: $^{19}/_{32}$" or greater plywood or wood plank

System Type B: Base insulation layer mechanically fastened, top layer adhered with asphalt.

All General and System Limitations apply.

Deck Attachment: In accordance with applicable Building Code, but in no case shall it be less than:
#8 x 1 ½" long screws spaced 6" o.c. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") The above attachment method must be in addition to existing attachment.

Insulation Base Layer	Fastener Density ft²	Fastener Type
AC Foam II Minimum: 1.5" thick	1:1.3	See approved fasteners in table 2

Note: Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Insulation Top Layer	Fastener Density ft²	Fastener Type
Dens-Deck Minimum: ¼" thick	N/A	N/A

Apply top layer of insulation in a full mopping of any approved mopping hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Membrane: Sealoflex Pink or Sealoflex Pink CT at 40 ft²/gal followed by Sealoflex Fabric or Sealoflex Deck Fabric with 3" overlaps followed by a saturation coat of Sealoflex Pink or Sealoflex Pink CT and, upon drying, two coats of Sealoflex Finish Coat or Sealoflex CT at a combined rate of 70 ft²/gal

Surfacing: (Optional) Apply Wearcoat at a rate of 90 ft²/gal or Coraflex at a rate of 20 ft²/gal.

Maximum Design Pressure: **-85 psf.** (See General Limitaion #9)

Deck Type 1I: Wood, Insulated, New Construction

Deck Description: $^{19}/_{32}$" or greater plywood or wood plank

System Type C: All layers of insulation simultaneously attached.

All General and System Limitations apply.

Insulation Base Layer (Optional)	Fastener Density ft²	Fastener Type
AC Foam II Minimum: 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Insulation Top Layer	Fastener Density ft²	Fastener Type
Dens-Deck Minimum: ¼" thick	1:1.3	See approved fasteners in table 2

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Note: Insulation joints shall be sealed before membrane application.

Membrane: Sealoflex Pink or Sealoflex Pink CT at 40 ft²/gal followed by Sealoflex Fabric or Sealoflex Deck Fabric with 3" overlaps followed by a saturation coat of Sealoflex Pink or Sealoflex Pink CT and, upon drying, two coats of Sealoflex Finish Coat or Sealoflex CT at a combined rate of 70 ft²/gal

Surfacing: (Optional) Apply Wearcoat at a rate of 90 ft²/gal or Coraflex at a rate of 20 ft²/gal.

Maximum Design Pressure: **-60 psf.** (See General Limitaion #7)

WOOD DECK SYSTEM LIMITATIONS:

1. A slip sheet is required with Ply 4 and Ply 6 when used as a mechanically fastened base or anchor sheet.

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