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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Sealoflex Roofing Systems Recover Applications

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. 02-0627.02 and consists of pages 1 through 10.
The submitted documentation was reviewed by Jorge L. Acebo.

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Liquid Applied Roof Sytems
Deck Type:	Recover
Maximum Design Pressure	**-523 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 GRR	1 or 5 gal.	TAS 143	Base liquid coat.
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 system.
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 PVC membranes.
EPDM Primer™	1 or 5 gal.	Proprietary	Primer for use on EPDM, Hypalon and TPO membranes
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.

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	MTS Job No. 258211	Physical Properties PA 143	05/20/98
Celotex Testing Center	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	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.	4235.05.05-1	TAS 114	08/31/05

Deck Type 7: Recover

Deck Description: Steel/Concrete

System Type A(1): Mechanically attach existing roof, followed by Sealoflex System.

Note: Substrate preparation shall be in accordance with applicable Building Code and RAS 117.

Substrate: Existing smooth or granule surfaced BUR, smooth or granule surfaced modified bitumen, EPDM single-ply, PVC single-ply, Hypalon single-ply, or TPO single-ply roof system primed and/or treated as outlined below:

Primer/Treatment:

BUR, modified bitumen or PVC:	Treat with Sealoflex Pink at 120 ft2/gal and allow to dry
EPDM, Hypalon or TPO:	Prime with EPDM Primer at 250 ft2/gal and treat with Sealoflex Pink at 120 ft2/gal and allow to dry

Attachment: Apply 12 x 12 inch sections of Sealoflex Pink / Sealoflex Deck Fabric / Sealoflex Pink per the attachment grid patterns noted below. Install Olympic #14 HD fasteners and Olympic Standard Plastic Plates in the center of each 12 x 12 inch section.

Membrane: Sealoflex Pink at 40 ft^2/gal followed by Sealoflex Fabric or Sealoflex Deck Fabric with 3" overlaps followed by a saturation coat of Sealoflex Pink and, upon drying, two coats of Sealoflex Finish Coat at a combined rate of 70 ft^2/gal.

Surfacing: (Optional) Apply Wearcoat at a rate of 90 ft2/gal. or Coraflex at a rate of 20 ft^2/gal.

Maximum Design Pressure:

Grid Pattern	Density	Maximum Design Pressure
24 x 24 inch grid	1 per 4 ft2	-52.5 psf (See General Limitation #7)
18 x 18 inch grid	1 per 2.25 ft2	-90.0 psf (See General Limitation #7)

Deck Type 7: Recover

Deck Description: Steel/Concrete

System Type A(2): Mechanically attach existing roof, followed by Sealoflex CT System.

Note: Substrate preparation shall be in accordance with applicable Building Code and RAS 117.

Substrate: Existing smooth or granule surfaced BUR, smooth or granule surfaced modified bitumen, EPDM single-ply, PVC single-ply, Hypalon single-ply, or TPO single-ply roof system primed and/or treated as outlined below:

Primer/Treatment:

BUR, modified bitumen:	Treat with Sealoflex Pink at 120 ft2/gal and allow to dry
PVC:	Treat with Sealoflex Pink CT at 120 ft2/gal and allow to dry
Hypalon:	Prime with EPDM Primer at 250 ft2/gal and treat with Sealoflex Pink CT at 120 ft2/gal and allow to dry.
EPDM or TPO:	Prime with EPDM Primer at 250 ft2/gal and treat with Sealoflex Pink at 120 ft2/gal and allow to dry

Attachment: Apply 12 x 12 inch sections of Sealoflex Pink / Sealoflex Deck Fabric / Sealoflex Pink per the attachment grid patterns noted below. Install Olympic #14 HD fasteners and Olympic Standard Plastic Plates in the center of each 12 x 12 inch section.

Membrane: 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 CT and, upon drying, two coats of 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:

Grid Pattern	Density	Maximum Design Pressure
24 x 24 inch grid	1 per 4 ft2	-52.5 psf (See General Limitation #7)
18 x 18 inch grid	1 per 2.25 ft2	-90.0 psf (See General Limitation #7)

Deck Type 7:	Recover
Deck Description:	Wood/Steel/Concrete/Lightweight Insulating Concrete/Cementitious Wood Fiber/ Poured Gypsum
System Type F(1):	Sealoflex or Sealoflex CT system applied directly to substrate.

Note: Substrate preparation shall be in accordance with applicable Building Code and RAS 117.

Flood Coat:	Apply Sealoflex GRR Flood Coat to clean and dry substrate at a minimum rate of 10 gallons per 100 ft^2. Sufficient GRR Flood Coat shall be applied as to cover gravel and provide a smooth level surface. Allow for minimum 4 hour cure prior to continuing.
Membrane:	Sealoflex Pink or Sealoflex Pink CT at 40 ft^2/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 ft^2/gal.
Surfacing:	(Optional) Apply Wearcoat at a rate of 90 ft2/gal. or Coraflex at a rate of 20 ft^2/gal.
Maximum Design Pressure:	-523 psf; (See General Limitation #9.)

Deck Type 7:	Recover	
Deck Description:	Wood/Steel/Concrete/Lightweight Insulating Concrete/Cementitious Wood Fiber/ Poured Gypsum	
System Type F(2):	Sealoflex system applied directly to substrate.	

Note: Substrate preparation shall be in accordance with applicable Building Code and RAS 117.

Substrate:	Existing, fully-adhered smooth or granule surfaced BUR, smooth or granule surfaced modified bitumen, EPDM single-ply, PVC single-ply, Hypalon single-ply, or TPO single-ply roof system primed and/or treated as outlined below:	
Primer/Treatment:	BUR, modified bitumen or PVC:	Treat with Sealoflex Pink at 120 ft2/gal and allow to dry
	EPDM, Hypalon or TPO:	Prime with EPDM Primer at 250 ft2/gal and treat with Sealoflex Pink at 120 ft2/gal and allow to dry
Membrane:	Sealoflex Pink at 40 ft^2/gal followed by Sealoflex Fabric or Sealoflex Deck Fabric with 3" overlaps followed by a saturation coat of Sealoflex Pink and, upon drying, two coats of Sealoflex Finish Coat at a combined rate of 70 ft^2/gal.	
Surfacing:	(Optional) Apply Wearcoat at a rate of 90 ft2/gal. or Coraflex at a rate of 20 ft^2/gal.	
Maximum Design Pressure:	-262.5 psf; (See General Limitation #9.)	

Deck Type 7:	Recover	
Deck Description:	Wood/Steel/Concrete/Lightweight Insulating Concrete/Cementitious Wood Fiber/ Poured Gypsum	
System Type F(3):	Sealoflex CT system applied directly to substrate.	

Note: Substrate preparation shall be in accordance with applicable Building Code and RAS 117.

Substrate:	Existing, fully-adhered smooth or granule surfaced BUR, smooth or granule surfaced modified bitumen, EPDM single-ply, PVC single-ply, Hypalon single-ply, or TPO single-ply roof system primed and/or treated as outlined below:	
Primer/Treatment:	BUR, modified bitumen:	Treat with Sealoflex Pink at 120 ft2/gal and allow to dry
	PVC:	Treat with Sealoflex Pink CT at 120 ft2/gal and allow to dry
	Hypalon:	Prime with EPDM Primer at 250 ft2/gal and treat with Sealoflex Pink CT at 120 ft2/gal and allow to dry.
	EPDM or TPO:	Prime with EPDM Primer at 250 ft2/gal and treat with Sealoflex Pink at 120 ft2/gal and allow to dry
Membrane:	Sealoflex Pink CT at 40 ft^2/gal followed by Sealoflex Fabric or Sealoflex Deck Fabric with 3" overlaps followed by a saturation coat of Sealoflex Pink CT and, upon drying, two coats of Sealoflex CT at a combined rate of 70 ft^2/gal.	
Surfacing:	(Optional) Apply Wearcoat at a rate of 90 ft2/gal. or Coraflex at a rate of 20 ft^2/gal.	
Maximum Design Pressure:	-262.5 psf; (See General Limitation #9.)	

Deck Type 7:	Recover
Deck Description:	Wood/Steel/Concrete/Lightweight Insulating Concrete/Cementitious Wood Fiber/ Poured Gypsum
Substrate:	Existing spray applied polyurethane foam

All General Limitations Apply

Preparation:	The surface shall be clean, sound and dry prior to application of Sealoflex coating. All surface preparation shall be in compliance with the coating manufacturer's published application instructions and current Miami-Dade Product Control Notice of Acceptance.
Membrane:	Sealoflex Pink at 40 ft^2/gal followed by Sealoflex Fabric or Sealoflex Deck Fabric with 3" overlaps followed by a saturation coat of Sealoflex Pink and, upon drying, two coats of Sealoflex Finish Coat at a combined rate of 70 ft^2/gal.
Surfacing:	(Optional) Apply Wearcoat at a rate of 90 ft2/gal. or Coraflex at a rate of 20 ft^2/gal.
Maximum Design Pressure:	(As determined by TAS 124)

RECOVER SYSTEM LIMITATIONS:

1. All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.

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