



**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 System, 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 Roof System over Steel 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 renews NOA No. 02-0108.02 and consists of pages 1 through 6.
The submitted documentation was reviewed by Jorge L. Acebo.



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Approval Date: 05/03/07
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ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Liquid Applied Roof Sytems
Deck Type: Steel
Maximum Design Pressure -77.5 psf
Fire Classification: See General Limitation #1

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
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 Foundation	1 or 5 gal.	TAS 143	Base liquid coat.
Metal Etch Primer	1 or 5 gal.	Proprietary	Primer for all unprotected metal surfaces.
Sealobond Primer	1 or 5 gal	Proprietary	Primer for use over painted concrete, wood or steel, or unpainted masonry substrates.
Sealoflex Fabric		Proprietary	Non-woven polyester reinforcing fabric for use in the Sealoflex roof system.
Sealoflex Finish Coat	1 or 5 gal.	TAS 143	Top waterproofing coating.
Sealoment Plus	50# bags	Proprietary	Concrete surface treatment.
Sealoflex CT	1 or 5 gal.	Proprietary	Solvent borne, single components roof coating.
Corabase Onepack	50# bags	Proprietary	Polymer modified portland cement powder.
Wearcoat	1 or 5 gal.	Proprietary	Liquid applied emulsion coating (available in smooth or non-skid version containing aggregate).



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TABLE 2

APPROVED FASTENERS:

<u>Fastener #</u>	<u>Product</u>	<u>Description</u>	<u>Dimensions</u>	<u>Manufacturer</u> (With current NOA)
1.	Insul-fixx S # 12	Steel, Tuff-Tite (black or purple)	#12 dia. by 8 in. (203 mm) max length	SFS Stadler Inc.
2.	Dekfast #14	Carbon Steel, sentri (black)	Various	Construction Fasteners
3.	Bldx Roofgrip #14	Carbon Steel, SPEX (black) or Climaseal (blue)	#14 dia. by 8 in. (203 mm) max length	ITW Buildex Corp.
4.	Olympic	Carbon Steel, CR-10 or Answer Coating (black)	Various	Olympic Fasteners

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Dynatech Engineering Corp.	4211-12.94-2	TAS 114D	12/18/94
	4213.04.95-1	TAS 114 H	04/01/95
Exterior Research & Design, LLC.	#7050.02.96-1	TAS 114 H	03/01/96
	#4210.04.96-1	TAS 114 H	05/28/96
	#4451.11.95-1	TAS 114 H	11/14/95
	#4213.07.97-1	TAS 114 D	07/15/97
Intertek Testing Services NA, Inc.	Job No. J97017119	UL 790, ASTM E 108	01/12/98
Celotex Testing Center, Inc.	MTS Job No. 258211	TAS 143	05/20/98
Exterior Research & Design, LLC.	#4213.09.00-1R	TAS 114	10/25/05
PRI Asphalt Technologies	SOF-007-02-01	ASTM D6083	07/14/04



APPROVED ASSEMBLIES:

Deck Type 2I: Steel Insulated

Deck Description: 18-22 ga. steel

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

All General and System Limitations apply.

<u>Insulation Base Layer</u>	<u>Fastener Density ft²</u>	<u>Fastener Type</u>
AC Foam II Minimum: 1.5" thick	1:1.3	See approved fasteners listed in Table 3

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details):

<u>Insulation Top Layer</u> <u>(Optional)</u>	<u>Fastener Density ft²</u>	<u>Fastener Type</u>
Dens-Deck Minimum: ¼" thick	N/A	N/A

Note: Apply optional 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: Apply Sealoflex Pink Foundation at a of 40 ft²/gal.
A single layer of non-woven polyester fabric applied to the wet Pink Foundation coat. Fabric joints shall be overlapped a minimum of 3" followed by saturation coat of Sealoflex Pink Foundation.
Apply Sealoflex Finish Coat at an application rate of 70 ft²/gal..

Surfacing: (Optional) Apply Wearcoat at a rate of 180 ft²/gal.

Maximum Design Pressure: -77.5 psf. (with base layer of insulation only) (See General Limitations #9)
-85 psf. (base and optional top layer of insulation) (See General Limitations #9)



Deck Type 2I: Steel Insulated
Deck Description: 18-22 ga. steel
System Type C: All layers of insulation simultaneously attached.

All General and System Limitations apply.

<u>Insulation Base Layer (Optional)</u>	<u>Fastener Density ft²</u>	<u>Fastener Type</u>
Miami-Dade Approved polyisocyanurate insulation Minimum: 1.5" thick	N/A	N/A

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

<u>Insulation Top Layer (Optional)</u>	<u>Fastener Density ft²</u>	<u>Fastener Type</u>
Dens-Deck Minimum: ¼" thick	1:1.3	See approved fasteners listed in Table 3

Note: All layers of insulation shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density. See Roofing Application Standard RAS 117 for fastening details.

Membrane: Apply Sealoflex Pink Foundation at a rate of 40 ft²/gal.
 A single layer of non-woven polyester fabric applied to the wet Pink Foundation coat. Fabric joints shall be overlapped a minimum of 3" followed by saturation coat of Sealoflex Pink Foundation.
 Apply Sealoflex Finish Coat at a rate of 70 ft²/gal.
 Or
 Apply moderate base coat of Sealoflex Pink CT.
 A single layer of non-woven polyester fabric applied to the wet foundation coat. Fabric joints shall be overlapped a minimum of 3" followed by saturation coat of Sealoflex Pink CT.
 Apply two (2) coats of Sealoflex CT at a rate of 70 ft²/gal/coat.

Surfacing: (Optional) Apply Wearcoat at a rate of 180 ft²/gal.

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



STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

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



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