



BUILDING CODE COMPLIANCE OFFICE
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PRODUCT CONTROL DIVISION
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PRODUCT CONTROL NOTICE OF ACCEPTANCE

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

Your application for Notice of Acceptance (NOA) of:

Sealoflex Waterproofing System for Concrete Deck

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0104.01

EXPIRES: 05/10/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 05/10/2001

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Waterproofing

Approval Date: **May 10, 2001**

Expiration Date: **May 10, 2006**

Materials: Liquid Applied Acrylic
Maximum Design Pressure N/A
Fire Classification: See General Limitation #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.	PA 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).



TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Concrete Pavers	24" x 24" x 1-1/2"	ASTM C902	4000 psi Min. Compressive strength, 5% water absorption max.	Generic
Ceramic Tiles	12" x 12" x 1/2"	ASTM C 902	Ceramic plaza deck walking tiles, 5% water absorption max.	Generic

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Product Date</u>
Celotex Testing Center, Inc.	MTS Job No. 258211	Physical Properties PA 143	05/20/98
Exterior Research & Design, LLC.	#4213.07.97-1	PA 114	10/20/00



Frank Zuloaga, RRC
Roofing Plans Examiner

- Deck Type 3** Concrete Decks, Roof Plaza Decks, Parking Decks, New Construction
- Deck Description:** Min. 2500 psi, dual slab construction (roof plaza and parking decks)
- System Type:** Sealoflex-CT
- Substrate:** Structural concrete shall be water cured a minimum of 14 days. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.
- 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. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.
- The substrate must be cleaned to remove loose debris, and a test patch of Sealoflex-CT shall be applied to the surface to check adhesion. Apply 6" wide strips of Sealoflex Fabric at the junction of all vertical and horizontal surfaces, changes in plane and expansion joints.
- Concrete around drain shall be depressed to promote positive water drainage.
- 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.
- All cracks greater than $\frac{1}{16}$ " wide shall be routed and filled with Corabase Onepack and lined with a Sealoflex-CT and Sealoflex Fabric. Crack smaller than $\frac{1}{16}$ " wide shall be filled with Sealoflex Buttergrade.
- 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 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.
- Base Coat:** Lay down a single layer of non-woven polyester fabric (Sealoflex Deck Fabric). Apply a generous coat of Sealoflex Pink CT through the fabric from above. Fabric joints shall be overlapped a minimum of 3".
- Insulation:** None
- Top Coat:** Apply two (2) coats of Sealoflex CT at a total rate of 70 ft²/gal

- 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.
- 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:** Structural Concrete Slab, minimum 2500 psi, in compliance with applicable Building Code. Minimum 5 inch thick for continuous pour. If less than 5 inches thick, topping slab shall be broken into maximum 10 ft x 10 ft panels with control joints.
- Maximum Design Pressure:** N/A (Topping concrete slab shall comply with applicable Building Code requirement.)
- Maximum Fire Classification:** See General Limitation #1.



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- Deck Type 3** Concrete Decks, New Construction
- Deck Description:** Min. 2500 psi
- System Type:** Tile Finish over Sealoflex CT (1.3.1.2)
- Substrate:** Structural concrete shall be water cured a minimum of 14 days. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.
- 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. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.
- The substrate must be cleaned to remove loose debris, and a test patch of Sealoflex-CT shall be applied to the surface to check adhesion. Apply 6" wide strips of Sealoflex Fabric at the junction of all vertical and horizontal surfaces, changes in plane and expansion joints.
- Concrete around drain shall be depressed to promote positive water drainage.
- 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.
- All cracks greater than $\frac{1}{16}$ " wide shall be routed and filled with Corabase Onepack and lined with a Sealoflex-CT and Sealoflex Fabric. Crack smaller than $\frac{1}{16}$ " wide shall be filled with Sealoflex Buttergrade.
- 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 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:** Deck shall be fully primed with Sealoflex Pink CT thinned 20% with Naptha. Apply this coat during a cooling phase of the day and allow to cure overnight.
- Base Coat:** Lay down a single layer of non-woven polyester fabric (Sealoflex Deck Fabric). Apply a generous coat of Sealoflex Pink CT through the fabric from above. Fabric joints shall be overlapped a minimum of 3".
- Insulation:** None
- 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 at a total rate of 70 ft²/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:

Concrete pavers (24" x 24" x 1-1/2") 4000 psi minimum or ceramic plaza deck tiles embedded into Sealoflex Corabase Onepack applied to the top Sealoflex-CT coating with a 1/4" trowel.

Maximum Design Pressure:

-267 psf (See General Limitation #9)

Maximum Fire Classification:

See General Limitation #1



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Deck Type 3 Concrete Decks, New Construction

Deck Description: Min. 2500 psi

System Type: Sealoflex CT or Sealoflex (1.3.1.1)

Substrate: Structural concrete shall be water cured a minimum of 14 days. The curing method must be a water cure, wet coverings, paper sheets, plastic sheets or approved liquid curing compound such as sodium silicate.

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. Poured in place concrete must be monolithic, smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions. Precast concrete decks shall be mechanically secured to minimize differential movement and all joints between units shall be grouted.

The substrate must be cleaned to remove loose debris, and a test patch of Sealoflex-CT shall be applied to the surface to check adhesion. Apply 6" wide strips of Sealoflex Fabric at the junction of all vertical and horizontal surfaces, changes in plane and expansion joints.

Concrete around drain shall be depressed to promote positive water drainage.

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.

All cracks greater than $\frac{1}{16}$ " wide shall be routed and filled with Corabase Onepack and lined with a Sealoflex-CT and Sealoflex Fabric. Cracks smaller than $\frac{1}{16}$ " wide shall be filled with Sealoflex Buttergrade.

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 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.

Note: In the following paragraphs use only system application A or B exclusively

Primer: Prime with:

A. Sealoflex Pink CT thinned 20% with Naptha. Apply this coat during a cooling phase of the day and allow to cure overnight.

OR

B. Sealobond Primer at 250 ft²/gal. and allow to dry. Apply Sealoflex Pink applied during a cooling phase of the day and allow to cure overnight

- Base Coat:** A. Lay down a single layer of non-woven polyester fabric (Sealoflex Deck Fabric). Apply a generous coat of Sealoflex Pink CT through the fabric from above to fully saturate. Fabric joints shall be overlapped a minimum of 3".
OR
B. Lay down a single layer of non-woven polyester fabric (Sealoflex Deck Fabric). Apply a generous coat of Sealoflex Pink through the fabric from above to fully saturate. Fabric joints shall be overlapped a minimum of 3".
- Insulation:** None
- Integrity Test:** Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.
- Top Coat:** A. Apply two (2) coats of Sealoflex CT at a total rate of 70 ft²/gal.
Or
B. Apply two (2) coats of Sealoflex Finish Coat at a total rate of 70 ft²/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 ft²/gal.
- Maximum Design Pressure:** 250 psf (See General Limitation #9)
- Maximum Fire Classification:** See General Limitation #1



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Deck Type 5:	Lightweight Concrete Decks, New Construction
Deck Description:	Min. 300 psi cellular lightweight insulating concrete with current NOA cast over structural concrete deck
System Type:	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. 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 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 350 ft ² /50# bag. Allow to cure at least 24 hours
Base Coat:	Lay down a single layer of non-woven polyester fabric (Sealoflex Deck Fabric). Apply a generous coat of Sealoflex Pink CT through the fabric from above. Fabric joints shall be overlapped a minimum of 3".
Insulation:	None
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 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:	A. Ceramic plaza deck tiles embedded into Sealoflex Corabase Onepack applied to the top Sealoflex-CT coating with a 1/4" trowel.. OR B. Apply Wearcoat at a rate of 90 ft ² /gal.
Maximum Design Pressure:	-152.5 psf (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.)**



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Roofing Plans Examiner

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process;
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The copies need not be resealed by the engineer.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1 through 12.

END OF THIS ACCEPTANCE



Frank Zuloaga, RRC
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