



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Urecoats International, Inc.
4100 N. Powerline Rd
Pompano Beach ,FL 33073

Your application for Notice of Acceptance (NOA) of:

UreCoats-100 Waterproofing Membrane

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.: 00-1114.13
EXPIRES: 02/01/2006

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: 02/01/2001

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Waterproofing

Approval Date: **February 1, 2001**

Expiration Date: **February 1, 2006**

Materials: Modified Bituminous Asphalt
Maximum Design Pressure N/A
Fire Classification: See General Limitation #1.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

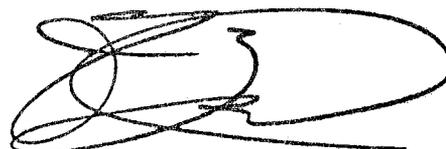
<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
UreCoats-100	N/A	CGSB-37.50-M89	A Polymer Modified Bituminous Asphalt, Hot-spray applied at high temperature and high pressure using specially design Spray Applicator system.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Product Date</u>
Intertek Testing Services	488-1383	CAN/CGSB 37.50-M89	05/09/2000
IRT of S. Florida, Inc.	00018 00019 00020 00021	PA 114	08/07/2000

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Eternalastic	1, 5 & 55 gallons and quart tubes	PA-143	A styrene acrylic based elastomeric roof coating.	Tropical Asphalt Products Corp.
Concrete Pavers	24' x 24" x 1-1/2"	ASTM C936	4000 psi Min. Compressive strength, 5% water absorption max.	Generic
Polyester Fabric	Various	N/A	Polyester reinforcing fabric	Seaman Corporation



APPROVED APPLICATIONS:

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 Types F(1): UreCoats-100

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 Urecoats 100 shall be applied to the surface to check adhesion. Apply 6" wide strips of Urecoats 100 and polyester 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 polyester liner and Urecoats 100.

All cracks greater than 1/16" wide shall be routed and filled with Urecoats mastic grade and lined with a base coat and polyester fabric. Crack smaller than 1/16" wide shall be filled with Urecoats mastic grade.

For vertical surfaces the polyester fabric shall extend at least 6" into the horizontal surface. At field and wall expansion joints, install polyester fabric 6" to both sides of the joint.

All drains areas shall be pre-detailed with Urecoats 100 and polyester 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 ASTM D 41 at a rate of 1gal/100ft².

Base Coat: The membrane shall be heated in the kettle assembly specifically designed for the preparation of a UreCoats-100 membrane. Heat the membrane until it can be drawn-free flowing at a temperature range between 240°F and 300°F.

Apply the UreCoats-100 membrane at a rate of 3-4 gal/100ft² to provide a continuous, monolithic coat of 2mm minimum



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Roofing Plans Examiner

Insulation: (Optional) Any approved extruded polystyrene with a minimum 60 psi having a current NOA set while Urecoats-100 is still hot.

Top Coat: 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.

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.

Maximum Design Pressure: N/A (Topping concrete slab shall comply with applicable Building Code requirement.)

Maximum Fire Classification: See General Limitation #1.

Maximum Slope: N/A



Deck Type 3 Concrete Decks, New Construction

Deck Description: Min. 2500 psi

System Types F(2): UreCoats-100

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, form 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 Urecoats 100 shall be applied to the surface to check adhesion. Apply 6" wide strips of Urecoats 100 and polyester fabric at the junction of all vertical and horizontal surfaces or 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 polyester liner and Urecoats 100.

All cracks greater than $\frac{1}{16}$ " wide shall be routed and filled with Urecoats mastic grade and lined with a base coat and polyester fabric. Crack smaller than $\frac{1}{16}$ " wide shall be filled with Urecoats mastic grade.

For vertical surfaces the polyester fabric shall extend at least 6" into the horizontal surface. At field and wall expansion joints, install polyester fabric 6" to both sides of the joint.

All drains areas shall be pre-detailed with Urecoats 100 and polyester 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: Fully Primed with ASTM D 41 at a rate of 1gal/100ft².

Base Coat: The membrane shall be heated in the kettle assembly specifically designed for the preparation of a modified bituminous asphalt membrane. Heat the membrane until it can be drawn-free flowing at a temperature range between 240°F and 300°F.

Apply the Urecoats-100 membrane at a rate of 3-4 gal/100ft² to provide a continuous, monolithic coat of 1.5mm minimum.

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:** Apply Urecoats-100 membrane in cross hatched over first layer at a rate of 3-4 gal/100ft² to provide a continuous, monolithic coat of 1.5mm minimum.
- 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 embedded into the top layer of Urecoats 100 while still hot.
- Maximum Design Pressure:** 320 psf (See General Limitation #9)
- Maximum Fire Classification:** See General Limitation #1
- Maximum Slope:** N/A



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Roofing Plans Examiner

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 Urecoats International, Inc. Urecoats International, Inc., Hot Applied Liquid Membrane Systems shall be installed solely by approved applicators and only with applicator's equipment approved by Urecoats International, Inc.
4. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by Urecoats International, Inc., shall be submitted to the Building Official for review.
5. Urecoats 100 Hot Applied Liquid Membrane Systems shall not be exposed to the weather and shall be protected by a protection sheet or other approved protection method from traffic. Any portions of Urecoats-100 membrane to be exposed shall be coated with Tropical Asphalt Products Corporation Eternalastic Coating with a current NOA, and installed at the recommended rate listed in Tropical Asphalt NOA.
6. Urecoats-100 Hot Applied Liquid Membrane Systems shall not be installed without consultation with Urecoats International Inc. if ambient or surface temperature is below 50°F. Do not apply to wet or frozen concrete surface.
7. All exposed areas of Urecoats 100 shall be covered with Tropical Asphalt Products Corporation Eternalastic Coating.
8. 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.
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. Installation must be by a Factory Trained 'Qualified Applicator' approved and licensed by Urecoats International, Inc. Urecoats International, Inc. shall supply a list of approved applicators to the authority having jurisdiction



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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: "Metro-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 Metro-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 8.

END OF THIS ACCEPTANCE



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Roofing Plans Examiner