MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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 SECTION
(305) 375-2966 FAX (305) 375-2908

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Hydro-Stop Inc.
2635 Rourk Street
Charleston SC 29405

Your application for Product Approval of:
Hydro-Stop 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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 00-0105.13 **(Revises No.: 97-0519.02)**

Expires: 06/22/2003

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 Dade County, Florida under the conditions set forth above.

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

Approved: 06/22/2000

Internet mail address: postmaster@buildingcodeonline.com **Homepage: http://www.buildingcodeonline.com**

ROOFING SYSTEM APPROVAL

Category:	Roofing	
Type:	Liquid Applied Membrane	Approval Date: **June 22, 2000**
Deck Type	Concrete	Expiration Date: **June 22, 2003**
Maximum Design Pressure	-120 psf	
Fire Classification	See General Limitation #1	

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
BarrierGuard	1, 5 gallon	PA 114	Priming and waterproofing compound for masonry surfaces.
BarrierGaurd Fabric	rolls	PA 114	Reinforcing fabric for BarrierGaurd waterproofing system.
Premium Coat Foundation	1, 5 gallon	PA 114	Acrylic elastomeric waterproofing compound used as a base layer in the Premium Coat waterproofing system.
Premium Coat Fabric	rolls	PA 114	Reinforcing fabric for the Premium Coat waterproofing system.
Premium Coat Finish	1, 5 gallon	PA 114	Acrylic elastomeric waterproofing compound used as a top layer in the Premium Coat waterproofing system.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Applied Research Laboratories	29295	Physical Properties (ASTM D 638)	02/15/95
Applied Research Laboratories	29296	Fire Resistance (ASTM E 108)	02/16/95
Center For Applied Engineering, Inc.	257771	PA 129	04/16/97
Trinity Engineering, Inc.	4690.10.95-1 4691.03.96-1	PA 114	Oct. 1995 March 1996
Factory Mutual Research Corporation	J.I. 3000150	Standard 4470	Sep. 1999

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Roofing Product Control Examiner

APPROVED SYSTEMS:

Deck Type 3: Concrete Decks, Insulated, New Construction, Reroof or Recover

Deck Description: 2500 psi structural concrete or concrete plank

System Type A-1: Insulation ahered to roof deck.

All General Limitations apply.

Insulation Types: Atlas AC Foam-II adhered to deck with 2 rows of ¾ to 1" wide beads of Insta-Stick Roofing Adhesive spaced 12" o.c. ***(Maximum Design Pressure –67.5 psf)***

Apache Pyrox adhered to deck with 2 rows of ¾ to 1" wide beads of Insta-Stick Roofing Adhesive spaced 12" o.c. ***(Maximum Design Pressure –97.5 psf)***

Johns Manville E'NRG'Y-2 adhered to deck with 2 rows of ¾ to 1" wide beads of Insta-Stick Roofing Adhesive spaced 12" o.c. ***(Maximum Design Pressure –45 psf)***

Minimum 1.5" thick EPS adhered to deck with 2 rows of ¾ to 1" wide beads of Insta-Stick Roofing Adhesive spaced 12" o.c. ***(Maximum Design Pressure –120 psf)***

Membrane:

Foudantion Coat: PremiumCoat Foundation shall be applied to the entire substrate at a rate of 1.25 gal/sq (80ft^2/gal). Embed a single layer of Premium Coat Fabric to the wet Foundation Coat, overlapping fabric joints a minimum of 4". Followed by Premium Coat Saturation applied at a rate of 1.25 gal/sq (80ft^2/gal)at o fully saturate the fabric.

Top Coat: Apply PremiumCoat Finish Coat applied in two equal coats at a combined rate 1.5gal/sq (70ft^2/gal).

Surfacing: None.

Maximum Design Pressure: See above and General Limitation #9

Maximum Fire Classification: See General Limitation #1.

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Deck Type 3: Concrete Decks, Non-insulated, New or Existing Construction

Deck Description: 2500 psi structural concrete or concrete plank

System Type F: Roof Tile Underlayment System, Premium Coat system applied directly to primed substrate with BarrierGaurd slurry.

All General Limitations apply.

Primer: Apply BarrierGaurd shall be applied to entire substrate at a rate of 150ft^2/gal.

Base Coat: Premium Coat Foundation shall be applied to the entire substrate at a rate of 40ft^2/gal. Embed a single layer of Premium Coat Fabric to the wet Foundation Coat, overlapping fabric joints a minimum of 4". Apply additional Premium Coat Foundation to fully saturate the fabric.

Top Coat: Premium Coat Finish shall be applied at an application rate of 70 ft^2/gal..

Surfacing: BarrierGaurd slurry shall be applied over entire Premium Coat Finish membrane system to receive concrete or clay roof tiles at a rate of 60ft^2/gal. Embed a single layer of BarrierGaurd Fabric to the wet slurry coat, overlapping fabric joints a minimum of 2". Apply additional BarrierGaurd slurry to fully saturate fabric.

Tile Installation: Shall be in accordance Roof tile assembly Miami-Dade County Notice of Acceptance and in compliance with RAS 118, 119, and 120.

Maximum Design Pressure: See Roof Tile Assembly Miami-Dade County Notice of Acceptance.

Maximum Fire Classification: See General Limitation #1.

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SYSTEM LIMITATIONS:

1. Premium Coat materials shall be applied with brush, roller or spray equipment following the specific application requirements published by Hydro-Stop, Inc.

2. Premium Coat primer shall be allowed to cure for not less than 30 minutes prior to application of foundation coat.

3. Premium Coat shall not be covered with stone chips, screeds, tiles or soil.

4. Premium Coat shall not be applied over existing gravel surfaces.

5. Contractor shall be a Hydro-Stop trained and approved applicator familiar with the details and specifications published by the manufacturer.

6. Approved primer is required on all unprotected iron and steel and previously painted surfaces.

7. Concrete substrate shall be primed with BarrierGaurd, prior to the application of the system herein.

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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 applied 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 may 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 TAS 105. If the fastener value, as field-tested, is 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 the 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 Engineer or Architect may be submitted. Said revised fastener spacing utilize the withdrawal resistance value taken from Miami-Dade Protocol TAS 105 and calculations in compliance with Miami-Dade Roofing Application Standard RAS 117.

7 Perimeter and corner areas shall comply with the enhanced uplift pressure of these areas, as calculated in compliance with Chapter 23 of the South Florida Building Code. Fastener densities shall be increase for both insulation and base sheet as needed calculated in compliance with Miami-Dade Roofing Application Standard TAS 117. **(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 Miami-Dade County Roofing Application Standard TAS 111 and the wind load requirements of Chapter 23 of the South Florida Building Code.

9 The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, corners). No 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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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 7.

END OF THIS ACCEPTANCE

Frank Zuloaga, RRC
Roofing Product Control Examiner