



**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)

**American Hydrotech, Inc.
303 East Ohio Street Suite 2700
Chicago, IL 60611**

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: American Hydrotech Roofing Systems over Concrete 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 consists of pages 1 through 5.

The submitted documentation was reviewed by Frank Zuloaga, RRC



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Expiration Date: 06/27/07
Approval Date: 06/27/02
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ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Liquid Applied Roof Systems
Material: Hot Rubberized Asphalt
Deck Type: Concrete
Maximum Design Pressure -160 psf
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>
MM6125	Available in 50 or 500 lb. Drums	CGSB-37.50-M89	Single component, rubberized asphalt compound.
Surface Conditioner	5 gal or 55 gal	N/A	Single component, asphalt modified solvent base polymer primer for concrete surfaces.
Flex-Flash UN	60 mils thick 6", 12", 18", 36" x 50' & 100' rolls	TAS 110	Uncured neoprene flashing, for exposed applications.
Flex-Flash F	6", 12", 39" x 360' & 600' rolls	N/A	Spun-bonded polyester fabric reinforcement.
Hydroflex 30	90 mil	N/A	Fiberglass reinforced, rubberized asphalt protection course.
Hydrocap 90FR	0.125" x 39.76" x 33.5'	N/A	Modified bitumen, glass reinforced cap sheet with a white granular surface.
Hydrocap 160	0.160" x 39.76" x 33.5'	N/A	Polyester reinforced, heavy duty, roll rubberized asphalt protection/cap sheet with a ceramic granular surface.
Flex Flash MB	0.160" x 39.76" x 33.5' roll		Modified bitumen sheet flashing for exposed applications.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Date</u>
Inchape Testing Services	488-0111-01	CAN/CGSB 37.50-M89	02/04/97
Factory Mutual Research	3003756	Class 4470	04/10/2000
IRT of S. Florida	00003-8	TAS 114	05/12/200



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APPROVED ASSEMBLIES:

Deck Type 3:	Concrete
Deck Description:	2500 psi structural concrete or concrete plank
System Types F:	MM 6125, Reinforced or un-reinforced systems

All General and System Limitations apply.

Substrate

Preparation: All surfaces must be dry, smooth, free of depressions, voids, and protrusions, and clean and free of unapproved curing compounds, form release agents and other surface contaminants. Substrate shall be smooth, free of voids, spalled areas, laitance, honeycombs, and sharp protrusions.

The substrate shall be cleaned to remove loose debris. Apply the surface conditioner to the concrete using a hand held sprayer evenly at a rate of 300 to 600 SF/gallon (7.4 - 14.7 m²/L) depending on surface texture. Surface conditioner should "tan" the surface, not blacken it. Allow sufficient time for the surface conditioner to thoroughly dry prior to the membrane application. A final check of the substrate must be made to determine that the substrate has been properly cleaned and a test patch of Monolithic Membrane 6125 shall be applied to the surface to check adhesion. Apply 6" wide strips of Flex-Flash UN or Flex-Flash F 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 prepared cracks, expansion joints, base flashings, penetrations and junctures at horizontal/vertical changes in plane shall be primed and flashed with MM 6125 Hot Applied Liquid Membrane prior to the application of the field membrane.

All cracks greater than $\frac{1}{16}$ " wide shall be covered with Flex-Flash UN or Flex-Flash F reinforcement fabric in 6" minimum width strips

Expansion joints, Flex-Flash UN shall be installed in accordance with manufacturer's published literature.

Apply one sheet Flex-Flash UN 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: Membrane shall be applied at a rate to provide a continuous monolithic coat of 90-mil minimum.

Reinforcement: Embed a layer of Flex-Flash F reinforcing fabric into the applied MM 6125 membrane while it is still hot. Overlap reinforcing fabric 2 inches with membrane between sheets.

Top Coat: Apply a continuous monolithic coat of MM 6125 membrane at a minimum thickness of 125 mil over the reinforcement sheets. Total membrane thickness for reinforced systems shall not be less than 215 mils thick.



Cap Sheet: Apply a layer of Hydrocap 90 FR or Hydrocap 160 into the MM 6125 membrane while it is still hot.

Maximum Design Pressure: -160 psf (See General Limitation #9)



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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. All work shall be performed by a Contractor licensed to do roofing/waterproofing work in Miami-Dade County. Contractor shall be familiar with the details and shall be approved by American Hydrotech, Inc. American Hydrotech, Inc., Hot Applied Liquid Membrane Systems shall be installed solely by approved applicators and only with installation and heating equipment approved by American Hydrotech, Inc.
3. Contractor shall submit to the Building Official for review the system specifications and details. Submission of these documents, as well as the proper application and installation of all materials shall be the sole responsibility of the contractor.
4. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by American Hydrotech, Inc., shall be submitted to the Building Official for review.
5. American Hydrotech, Inc., 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.
6. American Hydrotech, Inc., Hot Applied Liquid Membrane Systems shall not be installed without consultation with American Hydrotech, Inc., if ambient or surface temperature is below 0°F. Do not apply to wet or frozen concrete surface.
7. American Hydrotech, Inc., Hot Applied Liquid Membrane Systems shall not be installed over lightweight insulating concrete.
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.)**

