MIAMI-DADE

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)

Hydro-Stop Inc.
1465 Pipefitters Street
North 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: Hydro-Stop Premium Coat System over Steel Decks

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. 03-0501.10 and consists of pages 1 through 6.
The submitted documentation was reviewed by Jorge L. Acebo.

MIAMI-DADE COUNTY APPROVED

NOA No.: 08-1112.13
Expiration Date: 06/22/13
Approval Date: 12/31/08

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Liquid Applied Membrane
Deck Type: Steel
Material: Elastomeric
Maximum Design Pressure: -60 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

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

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
Pyrox	Polyisocyanurate foam insulation	Apache Products Co.
E'NRG'Y 2	Polyisocyanurate foam insulation	Johns Manville Corp.
ACFoam II	Polyisocyanurate foam insulation	Atlas Energy Products
Dens-Deck	Water resistant gypsum board	G-P Gypsum Corp.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Olympic S/P, ASAP Fastener	Insulation fastener		OMG, Inc
2.	Olympic Standard	3" round galvalume AZ55 steel plate	3" round	OMG, Inc

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Applied Research Laboratories	29295	Physical Properties (ASTM D 6380)	02/15/95
Applied Research Laboratories	29296	Fire Resistance (ASTM E 108)	02/16/95
Center For Applied Engineering, Inc.	257771	TAS 129	04/16/97
Trinity Engineering, Inc.	4690.10.95-1 4691.03.96-1 4696.04.97-1	TAS 114	Oct. 1995 March 1996 April 1997
Factory Mutual Research Corporation	3000150 3023606	Standard 4470 Standard 4470	Sep. 1999 10/18/06
Exterior Research & Design, LLC	4697.12.00-1	TAS 114	12/07/00

APPROVED ASSEMBLIES:

Deck Type 2: Steel, Insulated

Deck Description: 18-22 ga. steel

System Type B: Base layer of insulation is mechanically attached to roof deck. Any subsequent layers are then adhered to base layer f insulation. Premium Coat system applied to insulation

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
E'NRG'Y 2, ACFoam II Minimum 1.5" thick	**1 & 2**	**1:1.33 ft^2**

Note: Base layer shall be mechanically attached with fasteners and density described. 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).

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Dens-Deck Minimum ¼" thick	**N/A**	**N/A**

Note: Optional top layer of insulation shall be adhered with 2 rows of ¾ to 1 inch wide beads or Insta-Stik Roofing Adhesive spaced at max. 12 o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

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) to fully saturate the fabric.

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

Surfacing: None.

Maximum Design Pressure: -52.5 psf (See General Limitaion #9)

Deck Type 2: Steel, Insulated

Deck Description: 18-22 ga. steel

System Type C: All layers of insulation mechanically attached to roof deck. Premium Coat system applied to insulation

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
E'NRG'Y 2, ACFoam II, Pyrox Minimum 1.3" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Dens-Deck Minimum ¼" thick	**1 & 2**	**1:1.33 ft^2**

Note: All layers shall be simultaneously fastened; see top layer for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

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) to fully saturate the fabric.

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

Surfacing: None.

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

STEEL 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 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.
3. Premium Coat materials shall be applied with brush, roller or spray equipment following the specific application requirements published by Hydro-Stop, Inc.
4. Premium Coat primer shall be allowed to cure for not less than 30 minutes prior to application of foundation coat.
5. Premium Coat shall not be covered with stone chips, screeds, tiles or soil.
6. Premium Coat shall not be applied over existing gravel surfaces
7. Contractor shall be a Hydro-Stop trained and approved applicator familiar with the details and specifications published by the manufacturer.
8. Approved primer is required on all unprotected iron and steel and previously painted surfaces.

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