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)

Single Source Roofing Corporation
1200 Mc Kee Avenue
Mc Kee's Rocks, PA 15136

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: Single Source Single Ply EPDM Roof System over Concrete 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 consists of pages 1 through 6.
The submitted documentation was reviewed by Frank Zuloaga, RRC

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Single Ply
Materials::	EPDM
Deck Type:	Concrete
Maximum Design Pressure	-52.5 psf
Fire Classification:	See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specifications	Product Description
ULTRA-NP GK-45	various	ASTM D 4637	0.045" EPDM membrane
ULTRA-NP GK-45FR	various	ASTM D 4637	0.045" Fire Retardant EPDM membrane
ULTRA-NP GK-60	various	ASTM D 4637	0.060" EPDM membrane
ULTRA-NP GK-60FR	various	ASTM D 4637	0.060" Fire Retardant EPDM membrane
ULTRA-NP GM-577	1 gallon and 5 gallon pails		Synthetic polymer based adhesive
ULTRA-NP GM-1011	5 gallon pail		Neoprene based bonding adhesive
ULTRA-NP Base Plate	3.65" x 3.03" x 0.77"		Black ABS Plastic plate with three 0.250" diameter fastener holes.
ULTRA-NP Retainer	3.60" x 1.93" x 0.42"		Black ABS Plastic to interlock with base plate after roof cover has been placed.
ULTRA-NP Locking Pin	3.87" x 1.38" x 0.48"		Black ABS Plastic designed to secure the retainer to the roof cover.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
PYROX	Polyisocyanurate foam insulation	Apache Products Co.
ACFoam I, II &Supreme	Polyisocyanurate foam insulation	Atlas Energy Products
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
Expanded Polystyrene & Extruded Polystyrene	Polystyrene roof board insulation	Generic
Gypsum	Gypsum board	generic
Wood Fiber	Wood fiber insulation board	generic
High Density Wood Fiberboard	Wood fiber insulation board	generic
Perlite Insulation	Perlite insulation board	generic
E'NRG'Y-2 & PSI-25, UltraGard Gold	Polyisocyanurate foam insulation	Johns Manville
Fesco Foam	Polyisocyanurate /perlite insulation board	Johns Manville
Multi-Max, FA	Polyisocyanurate insulation board	RMAX

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	ULTRA-Lock Fasteners	#15 Carbon steel for roofing and insulation fasteners, black coated and with #3 Phillips head.		Single Source
2.	ULTRA-Lock Plates	Round AZ 50 Galvalume plastic stress plates.	3" round	Single Source

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Underwriters Laboratories, Inc.	Letter	Fire Classification	
Underwriters Laboratories, Inc.	97NK37381	Uplift	03/27/2000
Factory Mutual Research Corporation	2B3A3.AM	Class 4470	10/14/98

APPROVED ASSEMBLIES:

Membrane Type: Single Ply, EPDM

Deck Type 3I: Concrete Decks, Insulated, New Construction, Reroof

Deck Description: 2500-psi structural concrete

System Type D: All layer of insulation are loose laid with preliminary attachment to roof deck. Membrane is subsequently mechanically fastened.

All General and System Limitations apply.

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Multi Max, AC Foam II, E'NRG'Y 2, ISO-95 GL, Pyrox, Dow Polystyrene Minimum 1" thick	**N/A**	**N/A**

Note: All layers shall be simultaneously fastened; see top layer below 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.

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
High Density Fiberboard Minimum ½" thick	**1**	**1:6.4 ft^2**

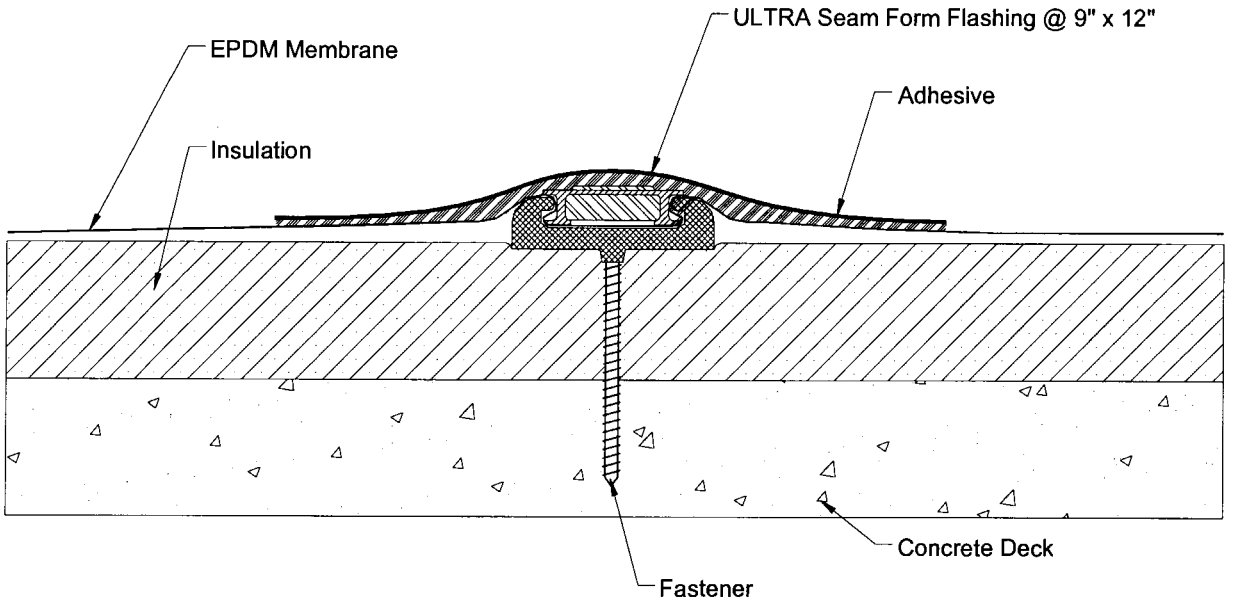
Vapor Retarders: (Optional) Any UL or FMRC approved vapor barrier.

Base Plate Fastening: ULTRA-NP Base Plate shall be mechanically fastened with one ULTRA-Lock Fastern in a 4 by 4 ft grid pattern, fasteners shall be of sufficient length to penetrate through deck.

Membrane: ULTRA-NP GK-45 or GK-60 membrane loose laid over the Base Plates with at 4" side lap and secured to Base Plates with ULTRA-NP Retainers and Locking Pins. Laps shall be adhered with GM-577 splice adhesive and sealed with GM-2010 lap sealant. ULTRA-NP Retainers and Locking Pins shall be covered with 9" x 12" pieces of membranes adhered with GM-577 splice adhesive (See Detail herein).

Maximum Design Pressure: -52.5 psf (See General Limitation #7)

FASTENING DETAIL



CONCRETE DECK 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.

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 Engineer, 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. **(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