



BUILDING CODE COMPLIANCE OFFICE
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PRODUCT CONTROL NOTICE OF ACCEPTANCE

Elastizell Corporation of America
(P.O. Box 1462) 7900 Second Street
Zurick Tuffenvi ,MI 48106

Your application for Notice of Acceptance (NOA) of:

Elastizell Lightweight Insulating Roof 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 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.: 00-0815.04
EXPIRES: 08/28/2003

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 Miami-Dade County, Florida under the conditions set forth above.

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

APPROVED: 10/12/2000

ROOFING ASSEMBLY APPROVAL

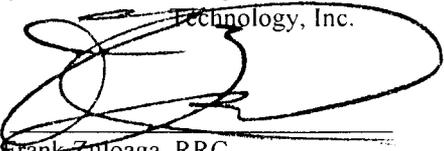
Category: Roofing Approval Date: 10/12/2000
Sub-Category: Lightweight Insulating Concrete
Materials: Cellular, Hybrid Expiration Date: 08/28/2003
Maximum Design Pressure -342 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Elastizell Foam Concentrate	various	ASTM C 869 ASTM C 796	Foaming agent to produce pre-formed foam for use in lightweight cellular concrete.
Zell-Crete Fibers	15 Denier - 3/4" long	<u>ASTM Standards</u> Denier: D 1577 Tensile: D 2256 Elongation: D 2104 Spec. Gravity: D 792 Melt Point: D 3418	Polyester fiber used in lightweight cellular concrete to improve tensile and shear performance.
ZIP Superplasticizer / water-reducer	Dosage: 4 oz./100# cement	ASTM D 494-Type A	Additive to lightweight cellular concrete to reduce mix water and improve strength while maintaining fluidity of mix.
Zell-Erator	Dosage: 200 sq. ft./gal.	N/A	Water based, sodium silicate solution applied to top surface of lightweight cellular concrete deck to enhance curing and sealing.
Zell Bonding Agent	Various	N/A	Bonding agent applied to surfaces over which lightweight cellular concrete is poured to remove dust and enhance bonding strength.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
Portland Cement	Various	ASTM C 150	Portland Cement	Generic
Vermiculite Aggregate	Various	ASTM C 332	Vermiculite Aggregate	Generic
Maxima Bonding Agent 10-V-1	Various	ASTM C 190	Admixture to lightweight concrete slurry coat.	Coatings, Material & Technology, Inc.



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Roofing Product Control Examiner.

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
Cemflex	1 and 5 gallon	N/A	Steel or concrete treatment prior to pouring of lightweight cellular concrete.	Sealoflex Waterproofing Systems (with current NOA)
Sealobase Powerpack	Various	N/A	Admixture to lightweight concrete slurry coat.	Sealoflex Waterproofing Systems (with current NOA)
Apache Holey Board	2' x 4' x 1"-4" or 4' x 4' x 1"-4"	ASTM C 578	Expanded polystyrene board with six 2-7/8" dia. holes per 8 sq. ft. and eight to eleven holes per 16 sq. ft. Top and bottom surfaces are smooth.	Apache (with current NOA)
Apache Corrugated E.P.S.	2' x 4' x 1"-4" or 4' x 4' x 1"-4"	ASTM C 578	Expanded polystyrene board with six 2-7/8" dia. holes per 8 sq. ft. and eight to eleven holes per 16 sq. ft. Board is cut such that top surface has 1/4" high x 1" wide ridges and bottom surface has 1/4" deep x 1" wide grooves running the length of the board.	Apache Products Company (with current NOA)
Star-R-Foam Smooth, Star-R-Foam Gripper, or Gripper HB Smooth	2' x 4' x 1"-4"	ASTM C 578	Min. 1.0 pcf expanded polystyrene board with six 3" dia. holes per board. Boards are smooth on both sides, smooth on one side with 1/4" deep grooves spaced 1/2" apart on other side or grooved on both sides.	Starfoam Mfg., Inc. (with current NOA)
Carpenter Grip-Board	2' x 4' x 1"-4"	ASTM C 578	Min. 1.0 pcf expanded polystyrene board with six 3" dia. holes per board. Boards are grooved on both sides with 1/2" deep grooves spaced 1/2" apart.	Carpenter Mfg. (with current NOA)
CR Base Felt Fastener and CR Base Sheet Disc	1.75" Standard 1.2" NVS	PA 114 PA 117(A) PA 117(B)	Steel base sheet fastener for lightweight concrete with integral plate	Olympic Mfg. Group (with current NOA)
FM-90 Base Ply Fastener	1.7" Standard	PA 114 PA 117(A) PA 117(B)	Steel base sheet fastener for lightweight concrete with 2.7" integral plate	ES Products Inc. (with current NOA)



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<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
FM-45 Base Ply Fastener and FM-30 disc	1" NVS	PA 114 PA 117(A) PA 117(B)	Steel base sheet fastener for lightweight concrete with separate 2.7" round plate	ES Products Inc. (with current NOA)
Base-Lok Fastener	1.75" long 3" head diameter	PA 117(A) PA 117(B)	Nylon 66, screw-in base sheet fastener for lightweight concrete decks	Simplex, Inc. (with current NOA)
Lite Weight Concrete Fastener	1.76" long	PA 114 PA 117(A) PA 117(B)	Steel base sheet fastener for lightweight concrete decks	ITW Buildex, Inc. (with current NOA)

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Factory Mutual Research Corporation	J.I. 2Z9A6.AM	Uplift Resistance (FM 4470/4454 - PA 114)	11/06/96
Factory Mutual Research Corporation	J.I. 0D3A3.AM	Uplift Resistance (FM 4470/4454 - PA 114)	04/04/97
Exterior Research & Design, LLC.	#4453.10.96-1	Uplift Resistance (PA 114)	10/30/96
Exterior Research & Design, LLC.	#3953-2.04.97-1	Uplift Resistance (FM 4470/4454 - PA 114)	04/24/97
Exterior Research & Design, LLC.	#4361-2.04.97-1	Uplift Resistance (FM 4470/4454 - PA 114)	04/24/97
Exterior Research & Design, LLC.	#2003.02.97-1	Uplift Resistance (FM 4470/4454 - PA 114)	02/06/97
Exterior Research & Design, LLC.	#4217.04.97-1	Uplift Resistance (FM 4470/4454 - PA 114)	04/24/97
Exterior Research & Design, LLC.	#4504.04.97-1	Uplift Resistance (FM 4470/4454 - PA 114)	04/24/97
Exterior Research & Design, LLC.	#4611.04.97-1	Uplift Resistance (FM 4470/4454 - PA 114)	04/24/97
Exterior Research & Design, LLC.	#2003-2.04.97-1	Uplift Resistance (FM 4470/4454 - PA 114)	04/24/97



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<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
IRT Consulting of S. Florida, Inc.	99027	PA 114	9/30/99
	99028		
	99029		
	99030		
	99033		
	99034		
IRT Consulting of S. Florida, Inc.	00001	PA 114	03/30/2000



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APPROVED APPLICATIONS:

Deck Type 1: Lightweight Insulating Concrete

System A: Cellular

Cast Density Range: 34 - 50 PCF

Dry Density Range: 27 - 40 PCF

28 Day Compressive Strength Range: 200 - 350 psi

Minimum Characteristic Resistance

Force with Approved Fasteners:	<u>Cure Time</u>	<u>MCRF (lbf)</u>
	2-4 days	46 lbf
	15 Days	77 lbf
	21 Days	112 lbf
	28 Days	141 lbf

Components:	Portland Cement ASTM C 150:	94 lbs. bag
	Foaming Agent ASTM C 869:	40:1 Water/Concentrate
		3.0 ft ³ pre-formed foam
	Water (max chloride level 250 ppm):	5 gal./sack
	Zell-Crete Fibers (optional):	1.8 lb./cubic yd.
	Maxima Bonding Agent 10-V-1 (optional):	1.2 gallon/cubic yd.
	Other Approved admixtures (optional):	see manufacturer's instructions

Wet and Dry Density Ranges Resulting from Range of Proportioned Ingredients						
Compressive Strength (psi)	Cast Density Range (pcf)	Dry Density Range (pcf)	Proportions for a Cubic Yard			Minimum Thickness (inches)
			Foam (ft ³)	Cement Range (lbs)	Mixing Water Range (lbs)	
200 - 249	32 - 40	22 - 30	19.70 - 17.70	590 - 730	267 - 350	2
250 - 350	42 - 50	32 - 40	17.70 - 15.60	730 - 870	350 - 432	2



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Deck Type 1: Lightweight Insulating Concrete

System C: Cellular/Hybrid

Cast Density Range: 50 PCF

Dry Density Range: 40-46 PCF

28 Day Compressive Strength Range: minimum 350 psi

Components: Portland Cement ASTM C 150: 94 lbs. bag
 Foaming Agent ASTM C 869: 40:1 Dilution (Water:Concentrate)
 3.0 ft³ pre-formed foam
 Water (max chloride level 250 ppm): 7-8 gal./sack
 Vermiculite Aggregate ASTM C332 1-1.5 cubic feet/sack of cement
 Zell-Crete Fibers: 1-2 lbs./cubic yd.
 Elastizell RIP polymer admixture: 1% x (cement weight)
 Elastizell Zell-Erator Sealer: 3 applications at min. 12 hour intervals
 Elastizell Super ZIP (optional): see manufacturer's instructions

Wet and Dry Density Ranges Resulting from Range of Proportioned Ingredients							
Compressive Strength (psi)	Cast Density Range (pcf)	Dry Density Range (pcf)	Proportions for a Cubic Yard				
			Foam (ft ³)	Cement Range (lbs)	Mix Water (gallons)	Vermiculite Aggregate (ft ³)	Minimum Thickness (inches)
350	50	40-46	±15	650	±51	8	2



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Deck Type 1: Lightweight Insulating Concrete

Application: Materials shall be mixed in a horizontal paddle drum mixer and pumped to the roof at the indicated density and in compliance with manufacturer's specifications. Cast densities shall be checked and recorded as it comes out of the hose at a minimum interval of one hour.

Polystyrene

Insulation: See Approved polystyrene noted in the Trade Names and Maximum Design Pressures Sections of this Notice of Acceptance.

Rigid insulation panels shall be placed in a minimum 1/8" slurry-coat of insulating concrete, while the material is still in a plastic state, and shall be covered with a minimum 2" topcoat cast within the same working day of placement of the insulation panels.

The insulating concrete topcoat shall be screeded to a smooth finish surface free of ridges and at the proper thickness and slope prior to the installation of the roofing membrane.

For steel deck applications, there shall be no traffic on the roof deck for 24 hours following installation of insulation.



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Substrate Requirements:

Note: Refer to Maximum Design Pressures Section of this Notice of Acceptance for specific substrate or substrate treatment requirements.

New Construction:

Steel: Minimum 22 ga. galvanized G-90 attached to supports in compliance with Chapter 26 and 28 of the South Florida Building Code. (See maximum design pressures for limitations on deck gauge.)

Concrete: Structurally designed in compliance with Chapter 25 of the South Florida Building Code.

Existing Construction:

Concrete: Broom cleaned and free of any materials or covering that may impede bonding. Substrate shall be in compliance with Chapter 25 of the South Florida Building Code.

Gravel Surfaced BUR: Loose gravel shall be removed, and adhesion of existing roof system shall be tested in compliance with Miami-Dade County Protocol PA 124 to meet the design pressure requirements determined in compliance with Chapter 23 of the South Florida Building Code.

Smooth Surface BUR: Adhesion of existing roof system shall be tested in compliance with Miami-Dade County Protocol PA 124 to meet the design pressure requirements determined in compliance with Chapter 23 of the South Florida Building Code.

Granule Surface Cap: Adhesion of existing roof system shall be tested in compliance with Miami-Dade County Protocol PA 124 to meet the design pressure requirements determined in compliance with Chapter 23 of the South Florida Building Code.

Temporary Roofing: Shall be installed in compliance with Chapter 34 of the South Florida Building Code.



Maximum Design Pressures:

Substructure	Admixtures (Top Coat)	Substrate Treatment	Min. Compressive Strength	Polystyrene Insulation Board	Maximum Design Pressure
NEW CONSTRUCTION					
Min. 22 ga., type B, grade D slotted steel deck welded to steel supports at every flute with 5/8" puddle welds. Deck side laps fastened with 3 self tapping fasteners evenly divided within the 5 ft spacing.	none	none	200 psi	none,	45 psf
Min. 22 ga., type B, grade D slotted steel deck welded to steel supports at every flute with 5/8" puddle welds. Deck side laps fastened with 3 self tapping fasteners evenly divided within the 5 ft spacing.	none	none	200 psi	min. 2" Holey Board, min 2" Star-R-Foam Gripper-HB Smooth or min. 2" thick Star-R-Foam Smooth.	45 psf
Min. 22 ga., type B, grade E slotted steel deck welded to steel supports spaced 5' o.c. at every flute with 5/8" puddle welds. Deck side laps are fastened with 3 self tapping fasteners evenly divided within the 5 ft spacing.	none	Zell Bonding Agent to steel deck	200 psi	none.	60 psf
Min. 22 ga., type B, grade E slotted steel deck welded to steel supports spaced 5' o.c. at every flute with 5/8" puddle welds. Deck side laps are fastened with 3 self tapping fasteners evenly divided within the 5 ft spacing.	none	Zell Bonding Agent to steel deck	200 psi	min. 2" Holey Board, min 2" Star-R-Foam Gripper-HB Smooth. Zell Bonding Agent is applied to the bottom of insulation boards.	60 psf
Min. 22 ga., type B, grade E slotted steel deck secured to steel supports spaced max. 5' o.c. at every flute with Traxx/5 fasteners. Deck side laps are fastened with 3 self tapping fasteners evenly divided within the 5 ft spacing.	none	none	200 psi	none.	60 psf
Min. 22 ga., type B, grade E slotted steel deck secured to steel supports spaced max. 5' o.c. at every flute with Traxx/5 fasteners. Deck side laps are fastened with 3 self tapping fasteners evenly divided within the 5 ft spacing.	none	none	200 psi	min. 1" thick Apache Holey Board.	60 psf



Substructure	Admixtures (Top Coat)	Substrate Treatment	Min. Compressive Strength	Polystyrene Insulation Board	Maximum Design Pressure
Min. 22 ga., type B, grade E, slotted steel deck secured to steel supports spaced max. 5' o.c. at every flute with Traxx/5 fasteners. Deck side laps are fastened with 3 self tapping fasteners evenly divided within the 5 ft spacing.	Zell Fibers	Maxima Bonding Agent 10-V-1 mixed in slurry coat at a rate of 1.2 gallons per yd ³	300 psi	min. 2" thick Apache Corrugated EPS board.	75 psf
Min. 22 ga., type B, grade E, slotted steel deck secured to open bar joists spaced max. 5' o.c. staggering at every flute with 1/2" welds and weld washers. Deck side laps are fastened with 3 self tapping fasteners evenly divided within the 5 ft purlin spacing.	none	none	200 psi	min. 2" thick Star-R-Foam Gripper Board with grooves on both sides.	52.5 psf
Min. 22 ga., type B, grade E, slotted steel deck secured to open bar joists spaced max. 5' o.c. staggering at every flute with 5/8" puddle welds or Traxx/5 fasteners. Deck side laps are fastened with 3 self tapping fasteners evenly divided within the 5 ft purlin spacing.	none	Sealobase Powerpack mixed in slurry coat	min. 200 psi	min. 2" thick Carpenter Grip-Board	60 psf
Min. 22 ga., type B, grade E, slotted steel deck secured to open bar joists spaced max. 5' o.c. staggering at every flute with 5/8" puddle welds or Traxx/5 fasteners. Deck side laps are fastened with 3 self-tapping fasteners evenly divided within the 5 ft purlin spacing.	none	none	min. 300 psi	min. 2" thick Apache Corrugated EPS board.	60 psf
Min. 22 ga., 1.5" type BV, G-90 steel deck welded to supports spaced max. 5' o.c. with 5/8" puddle welds every flute. Deck side laps are fastened with #10 TEK screws at 15" o.c.	Zee-Crete Fibers	none	min. 250 psi 3" thick Range II	min. 2" thick Apache Hol-E-Board 1 pcf.	112.5 psf
Min. 20 ga., 1.5" type BV, G-90 steel deck welded to supports spaced max. 5' o.c. with 5/8" puddle welds every flute. Deck side laps are fastened with #10 TEK screws at 15" o.c.	Zee-Crete Fibers	none	min. 250 psi 2" thick Range II	min. 1" thick Apache Hol-E-Board 1 pcf.	97.5 psf



Substructure	Admixtures (Top Coat)	Substrate Treatment	Min. Compressive Strength	Polystyrene Insulation Board	Maximum Design Pressure
Min. 22 ga., 1.5" type BV, G-90 steel deck welded to supports spaced max. 6' o.c. with 5/8" puddle welds every flute. Deck side laps are fastened with #10 TEK screws at 18" o.c.	Zee-Crete Fibers	none	min. 200 psi 2" thick Range II	min. 2" thick Apache Hol-E-Board 1 pcf.	82.5 psf
Min. 22 ga., 1.5" type BV, G-90 steel deck welded to supports spaced max 6' o.c. with 5/8" puddle welds every flute. Deck side laps are fastened with #10 TEK screws at 15" o.c.	Zell-Crete Fibers	none	min. 250 psi 2" thick EVM Hybrid	min. 2" thick Apache Hol-E-Board 1 pcf.	75 psf
Min. 22 ga., 1.5" type BV, G-90 steel deck welded to supports spaced max 5' o.c. with 5/8" puddle welds every flute. Deck side laps are fastened with #10 TEK screws at 15" o.c.	Zell-Crete Fibers	none	min. 200 psi 2" thick Range II	min. 2" thick Apache Hol-E-Board 1 pcf.	75 psf
Min. 20 ga., 1.5" type BV, G-90 steel deck welded to supports spaced max. 6'-3" o.c. with 5/8" puddle welds every flute. Deck side laps are fastened with #10 TEK screws at 18" o.c.	Zell-Crete Fibers	none	min. 200 psi 2" thick Range II	min. 2" thick Apache Hol-E-Board 1 pcf.	52.5 psf
Min. 26 ga., 1.5" type BV, G-90 steel deck welded to supports spaced max. 5' o.c. with 5/8" puddle welds every flute. Deck side laps are fastened with 3 #10 TEK screws evenly divided within the 5 ft purlin spacing.	Zell-Crete Fibers	none	min. 350 psi 2" thick Hybrid Mixture	min. 1" thick Apache Hol-E-Board 1 pcf.	112.5 psf
NEW CONSTRUCTION OR REROOF (TEAR-OFF)					
Structural concrete deck	none	none	200 psi	none	240 psf
Structural concrete deck	none	none	200 psi	min. 1" Holey Board or min. 2" thick Star-R-Foam Smooth.	240 psf
Structural concrete deck	none	Zell Bonding Agent to deck	250 psi	none	230 psf
Structural concrete deck	none	none	200 psi	none	240 psf
Structural concrete deck	none	none	200 psi	none, min. 1" Holey Board or min. 2" thick Star-R-Foam Smooth.	240 psf



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Roofing Product Control Examiner.

Substructure	Admixtures (Top Coat)	Substrate Treatment	Min. Compressive Strength	Polystyrene Insulation Board	Maximum Design Pressure
Structural concrete deck	none	Zell Bonding Agent to deck	250 psi	none	230 psf
Structural concrete deck	none	Zell Bonding Agent to deck	250 psi	none	230 psf
Structural concrete deck	none	Zell Bonding Agent to deck	250 psi	min. 2" thick Apache Corrugated EPS board. Zell Bonding Agent applied to both sides of board	230 psf
Structural concrete deck	none	none	250psi	none	205 psf
Structural concrete deck	none	none	250psi	min. 1" thick Apache Holey Board	205 psf
NEW CONSTRUCTION OR REROOF (TEAR-OFF)					
RECOVER					
Existing structural concrete deck with existing asphaltic BUR roof cover	none	none	200 psi	none	112 psf
Existing structural concrete deck with existing asphaltic BUR roof cover	none	none	200 psi	min. 1" Holey Board, min 1" Star-R-Foam Gripper-HB Smooth or min. 1" thick Star-R-Foam Smooth	112 psf
Existing structural concrete deck with existing asphaltic BUR roof cover	none	none	250 psi	none	342 psf
Existing structural concrete deck with existing asphaltic BUR roof cover	none	none	250 psi	min. 1" thick Apache Holey Board	342 psf

Note: Maximum Design Pressures noted herein shall be used in conjunction with those maximum design pressures published in the Roof System Assembly Notice of Acceptance for Approved Systems over lightweight concrete decks.



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GENERAL LIMITATIONS:

1. Excess water on the lightweight concrete shall be removed prior to roof installation.
2. Applicator shall maintain a job log and make it available to the Building Official upon request. The job log shall contain cast densities recordings taken at a minimum interval of one-hour.
3.
 - a. Cast densities shall be measured with calibrated scale accurate from 1 to 50 lbs. The scale shall display weight in increments of ¼ lb. and be accurately calibrated to 1/16 lb.
 - b. The measuring bucket shall be of 5 quarts or larger
4. Lightweight insulating concrete installation shall demonstrate its suitability to perform as a satisfactory substrate during "walkability inspection". If the deck or a portion of the deck is determined to be out of compliance, the Building Official may call for further testing (if applicable for the roof system) to confirm fastener spacing or provide data for the roof system manufacturer to calculate a new fastener pattern. Fastener testing (if applicable for the roof system) shall be required. Any areas where fasteners will not hold a minimum 40 lbf. after 5 days of cure shall be removed and recast.
5. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value as calculated in conjunction with the maximum design value listed within a specific roof membrane manufacturers NOA. 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 shall utilize the withdrawal resistance value taken from Miami-Dade County Protocol TAS 105 and calculations in compliance with Miami-Dade Roofing Application Standard RAS 117.
6. Contractor shall consult with roofing system manufacturer for compatibility with all surface coatings or treatments listed in this NOA.
7. All coatings or surface preparation materials applied to the lightweight concrete shall be listed as an approved interface material with the roof membrane manufacturer.
8. Direct-adhered single ply systems shall be installed in strict compliance with membrane manufacturer's specifications and the Miami-Dade County Notice of Acceptance.
9. Maximum Design Pressures noted in this NOA shall be used in conjunction with those maximum design pressures published in the Roof Assembly Product Control Notice of Acceptance for Approved Assembly over lightweight concrete decks.
10. A slurry coat lightweight insulating concrete shall be applied with insulation boards immediately adhered in the minimum 1/8" slurry coat. Slurry coat and insulation boards shall be left undisturbed to cure overnight before the application of the topcoat. If installation is interrupted due to inclement weather or other situations beyond the control of the contractor, the installed insulation board shall be inspected to confirm adhesion to the substrate. Over solid substrates, ~~topping~~ installation shall not be delayed over 24 hours.

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 16.

END OF THIS ACCEPTANCE



Frank Zuloaga, RRC
Roofing Product Control Examiner.