



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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Atlas Roofing Corporation
1775 The Exchange, Suite 160
Atlanta GA 30339

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

Your application for Product Approval of:

Atlas Roof Insulations and Sheathing

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.: 00-0208.04

Expires: 04/14/2003

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: 04/14/2000

1 of 8



PRODUCT CONTROL NOTICE OF ACCEPTANCE

Applicant:

Atlas Roofing Corporation
 1775 The Exchange, Suite 160
 Atlanta, GA 30339

Product Control No.: **00-0208.04**

Approval Date: April 14, 2000

Expiration Date: April 14, 2003

Category:

Roofing

Sub-Category:

Roofing Insulation

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
ACFoam II	various	PA 110	Polyisocyanurate insulation for use with single-ply, BUR and modified bitumen roof covers (with current NOA)
Tapered ACFoam	various	PA 110	Polyisocyanurate tapered insulation for use with single-ply, BUR and modified bitumen roof covers (with current NOA)
ACFoam Supreme	various	PA 110	Polyisocyanurate insulation with a trilaminate foil facer for use with mechanically attached single-ply roof covers.
Atlas Tapered ACFoam Composite	various	PA 110	Polyisocyanurate insulation bonded to 1/2" perlite for single-ply, BUR and modified bitumen roof covers (with current NOA) .
Atlas ACFoam-III	various	PA 110	Polyisocyanurate insulation with coated glass facers for use with cold applied single ply, cold applied BUR and modified bitumen membranes. Not to be used in any hot asphalt applications
Atlas ACFoam Recover Board	various	PA 110	Polyisocyanurate insulation with coated glass facers for use with ballasted, mechanically attached and loose laid, ballasted single-ply membrane.
Atlas ACFoam Vented-R™	various	PA 110	Polyisocyanurate insulation laminated to 7/16" plywood , with venting channels for roof deck ventilation. For use with class A, B, or C roof coverings.
Atlas ACFoam Nail Base	various	PA 110	Polyisocyanurate insulation laminated to 7/16" plywood for use with class A, B, or C roof coverings.

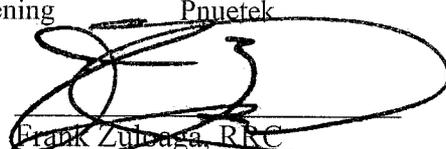


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 Product Control Examiner

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Atlas Stucco-Shield II	various	PA 110	Polyisocyanurate foam board with specially coated facers on both surfaces for use as a backing board for polymer base and polymer modified stucco systems.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Buildex Roofgrip.		PA 114	Steel/concrete/wood fastening assembly	ITW/Buildex
Buildex Gyptec		PA 114	Gypsum fastening assembly	ITW/Buildex
Con-Fixx		PA 114	Concrete fastening assembly	SFS/Fabco
Dekfast Fastening Systems		PA 114	Steel/concrete fastening assembly	Construction Fasteners, Inc.
Firestone All Purpose		PA 114	Steel/wood/concrete fastening assembly	Firestone Building Products
GAF-TITE		PA 114	Steel/wood/concrete fastening assembly	GAF Corporation
Insta-Lock		PA 114	Steel/wood/concrete fastening assembly	Goodyear Building Products
Insulfixx Fastening Systems		PA 114	Steel/wood/concrete fastening assembly	SFS/Fabco
JPS-S3, S4, S5, S6		PA 114	Steel/wood/concrete fastening assembly	JPS Elastomerics
M-H		PA 114	Steel/wood/concrete fastening assembly	Mule-Hide, Inc.
Olympic Fastening Systems		PA 114	Steel/wood/concrete fastening assembly	Olympic Fastening Systems
Perlok Fastening Systems		PA 114	Steel/wood fastening assembly	Performance Building Products
Perma-Fastener		PA 114	Steel fastening assembly	International Permalite
Pnuetek CDIF		PA 114	Concrete fastening assembly	Pnuetek


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<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Rawl Deck Screw		PA 114	Steel/concrete/wood fastening assembly	Rawlplug Company
Rawlite		PA 114	Lightweight concrete fastening assembly	Rawlplug Company

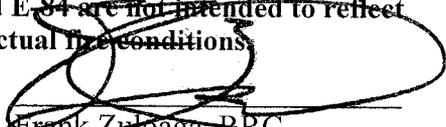
EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corp. Underwriters Laboratories	Physical Properties Fire Classification	R 13089 Refer to current directory Test Reports on file	05/96
Southwest Research Institute	Fire Classification	NER QA-409	09/96
ICBO Evaluation Service, Inc.	Evaluation Report	4977	06/01/95

TYPICAL PHYSICAL PROPERTIES:

<u>Property</u>	<u>Test</u>	<u>Typical Results</u>
Density	ASTM D 1622	2.0 lbs./ft ³ 2.1 lbs./ft ³ (25 psi)
Compressive Strength	ASTM D 1621	20 PSI 25 PSI (PSI-25)
Water Absorption	ASTM C 209	Less than 1% by volume
Moisture Vapor Transmission	ASTM E 96	Less than one (1) perm
Service Temperature		-100° F +250° F Max
Surface Burning Characteristics (4" Foam Core Max.)	ASTM E 84	Flamespread: 20 Smoke Developed: 125

Note: The physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Numerical ratings as determined by ASTM Test Method E 84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.


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PHYSICAL PROPERTIES OF COMPONENTS:

Product Name: ACFoam-II and Tapered ACFoam

Thickness: 0.5" - 4.1" (12.5-104 mm)

Board Size(s) 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)

Core: Polyisocyanurate foam

Facers: Heavy black (non-asphaltic), fiber reinforced felt

Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Lightweight Concrete, Gypsum

Application: May be applied in multiple layers to a maximum thickness of 12 inches. See specific Roof Assembly NOA, and RAS 117 for specific system approvals.

Product Name: ACFoam Composite and Tapered ACFoam Composite

Thickness: 1.5" - 4.6" (38 - 117 mm)

Board Size(s) 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)

Core: Polyisocyanurate foam

Facers: Perlite 0.5 in (13 mm), top or bottom; fiber reinforced felt on other side.

Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Gypsum

Application: May be applied in multiple layers to a maximum thickness of 12 inches. See specific Roof Assembly NOA, and RAS 117 for specific system approvals.

Product Name: Recover Board

Thickness: 5" - 1" (12.7 - 25.4mm)

Board Size(s) 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)

Core: Polyisocyanurate foam

Facers: Coated Glass Mat

Decks: Overlay Existing Roof Membranes



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Application: May be applied in multiple layers to a maximum thickness of 12 inches. See specific Roof Assembly NOA, and RAS 117 for specific system approvals.

Product Name: ACFoam-III

Thickness: 1.3" - 4.6" (33 - 117mm) and 1.5" - 4.6" (38 - 117mm)

Board Size(s) 4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)

Core: Polyisocyanurate foam

Facers: Coated Glass Mat

Decks: Concrete, Cementitious Wood Fiber, Steel, Wood, Gypsum

Application: May be applied in multiple layers to a maximum thickness of 12 inches. See specific Roof Assembly NOA, and RAS 117 for specific system approvals. AC Foam III shall not be used in any hot asphalt application

Mininum thickness for Roof Covers:

Steel Decks:

1.3" fully adhered
 0.5" (Mechanically attached membranes only)

Concrete Decks:

1" mechanically attached and full adhered.
 Re- roofing (over an existing roof membrane): 0.5"

Minimum Fastening Patterns, for specific assembly approvals see roof assembly NOA :

New construction and re-roofing (mechanically attached):

ACFoam-II 1.3" - 1.9" and ACFoam-III 1.3" and 1.4"
 8 fasteners per 4' x 4' panel (1:2 sq.ft.)
 16 fasteners per 4' x 8' panel (1:2 sq.ft.)

ACFoam-II and ACFoam III 2.0" and thicker

4 fasteners per 4' x 4' panel (1:4 sq.ft.)
 8 fasteners per 4' x 8' panel (1:4 sq.ft.)



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ACFoam-III 1.5" - 1.9"

6 fasteners per 4' x 4' panel (1:2.7 sq.ft.)
11 fasteners per 4' x 8' panel (1:2.9 sq.ft.)

Re-roofing wood or gypsum decks:

6 fasteners per 4' x 4' panel at 1.0" to 1.2" thickness (1:3 ft.²)
4 fasteners per 4' x 4' panel at 1.3" and greater thickness (1:4 ft.²)

Adhered Applications

No panels greater than 4' x 4' shall be installed in hot asphalt.

Application to a concrete deck shall always be a primed (ASTM D 41) surface. Surface shall be dry and free of all debris.

If applied to a gypsum, lightweight insulating concrete deck, or woods a base sheet shall be nailed to the deck with approved base in accordance with roof assembly NOA. Moppings of ACFoam-II, ACFoam-III, ACFoam Tapered, ACFoam Composite or Recover Board directly to gypsum, lightweight insulating concrete, or wood decks shall be allowed.

ACFoam Nail Base Insulation and Vented-R

Nail base insulation and Vented-R shall have APA rated plywood topside in compliance with the provision of Chapter 29 of the SFBC. 4' x 8' panels shall be attached with a minimum of 15 fasteners per panel, refer to specific roof assembly NOA for approved assemblies.

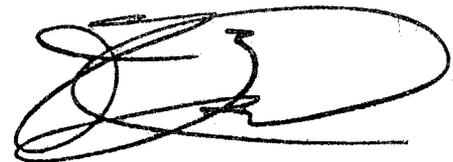
Tapered Insulation

Tapered systems shall follow the identical attachment patterns noted for ACFoam-II and ACFoam Composite, refer to specific roof assembly NOA for approved assemblies.

COMMENTS AND LIMITATIONS:

Atlas insulation products are components used in ceiling, sidewall and roof assemblies. Roof assemblies are approved under specific roof cover's Product Control Notice of Acceptance.

Atlas products may be used with any approved roof assembly NOA listing a specific Atlas product as a component part of an assembly. If an Atlas product is not listed, a request may be made to the local building official or the Metro-Dade Office of Building Code Compliance for approval provided that appropriate documentation is provided to detail compatibility of the products, and wind uplift and fire testing results.



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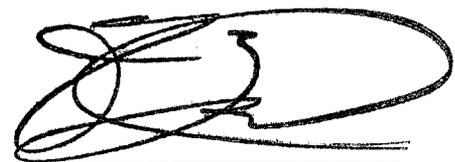
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ACCEPTANCE NO.: **00-0208.04**
APPROVED: April 14, 2000
EXPIRES: April 14, 2003

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: "Metro-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 Metro-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 8

END OF THIS ACCEPTANCE



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