MIAMI-DADE

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

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Firestone Building Products Co.
525 Congressional Boulevard
Carmel IN 46032

Your application for Product Approval of:
Firestone ISO 95+ Polyisocyanurate Foam Insulation
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.: 00-0112.04

Expires: 03/10/2003

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: 03/10/2000

Internet mail address: postmaster@buildingcodeonline.com **Homepage: http://www.buildingcodeonline.com**

PRODUCT CONTROL NOTICE OF ACCEPTANCE
ROOFING COMPONENT APPROVAL

Applicant:
Firestone Building Products, Inc.
525 Congressional Boulevard
Carmel, IN 46032

Product Control No.: **00-0112.04**

Approval Date: **March 10, 2000**

Expiration Date: **March 10,2003**

Category: Roofing
Sub-Category: Roofing Insulation

Typical Physical Properties

Property	Test	Typical Results
Density	ASTM D 1622	2.0 lbs./ft^3
Compressive Strength	ASTM D 1621	18 PSI 25 PSI (when specified)
Water Absorption	ASTM C 209	Less than 1% by volume
Moisture Vapor Transmission	ASTM E 96	Less than one (1) perm
Surface Temperature		-100° F +250° F Max
Surface Burning Characteristics (4" Foam Core Max.)	ASTM E 84	Flamespread: 25 Smoke Developed: 110

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

Tradename:	**ISO 95+ / Rholflex Isocyanurate: flat and tapered**
Thickness:	0.5" - 4.0" (12.5-101.6 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:	Fiberglass reinforced felt or fiberglass felt
Special Application:	Single layer thickness as listed above. Multiply layer thickness shall not exceed 12 inches. See specific roof assembly notice of acceptance for approved assemblies.

Tradename:	**ISO 95+ (25 PSI) / Rholflex Isocyanurate (25 PSI); Flat or Tapered**
Thickness:	0.5" - 4.0" (12.5 - 101.6 mm)
Board Size(s)	4' x 4' (1.2 x 1.2 m) and 4' x 8' (1.2 x 2.4 m)

Frank Zuloaga, RRC
Roofing Product Control Examiner

Core:	Polyisocyanurate foam
Facers:	Fiberglass reinforced felt or fiberglass felt
Special Application:	Single layer thickness as listed above. Multiply layer thickness shall not exceed 12 inches. See specific roof assembly notice of acceptance for approved assemblies.

Tradename:	**ISO 95+ Composite / Rholflex Isocyanurate Composite**
Thickness:	1.5" - 4.0" (38 - 101.6 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, o.5 in. (12.5 mm) or ¾" (19 mm), top or bottom; fiberglass reinforced organic or fiberglass felt on the other side.
Decks:	Concrete, Cementitious Wood Fiber. Steel, Wood, Lightweight Concrete, Gypsum
Special Application:	Single layer thickness as listed above. Multiply layer thickness shall not exceed 12 inches. See specific roof assembly notice of acceptance for approved assemblies.

Tradename:	**ISO-R**
Thickness:	0.5" - 4.0" (12.5 - 101.6 mm)
Board Size(s)	4' x 8' (1.2 x 2.4 m)
Core:	Polyisocyanurate foam
Facers:	Triplex foil or Polymer/ glass.
Decks:	N/A
Special Application:	Single layer thickness as listed above. Multiply layer thickness shall not exceed 12 inches. See specific roof assembly notice of acceptance for approved assemblies.

Comments and Limitations

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

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Evidence Submitted

Test Agency/Identifier	Report	Date
Factory Mutual Research Corporation	J.I. #0H8A6.AM	07/22/83
	J.I. #0J9A6.AM	01/22/85
	J.I. #0Q1A4.AM	01/08/90
	J.I. #0T1A8.AM	03/26/90
	J.I. #1G3A5.AM	12/28/82
	J.I. #1G3A5.AM	11/19/85
	J.I. #2M2A3.AM	10/06/87
Underwriters Laboratories, Inc.	R9516/90NK3270	02/27/89
	R9516/90NK21444	04/12/93
	R9516/90NK21444	04/23/93
	R9516/90NK21444	05/27/93
	R9516/90NK5582	09/07/90
	R9516/90NK5582	10/29/90
	R9516/90NK5582	10/30/90
	R9516/90NK9880	08/28/90
	R9516/93NK1173	07/02/93

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ACCEPTANCE NO: **00-0112.04**
APPROVED: **March 10, 2000**
EXPIRES:**March 10, 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 4

END OF THIS ACCEPTANCE

Frank Zuloaga, RRC
Roofing Product Control Examiner