



**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 DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Apache Products Company**  
**P.O. Box 7111**  
**Jackson ,MS 39282**

Your application for Notice of Acceptance (NOA) of:

**ISO-25 Isocyanurate 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 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.: 01-1108.08**  
**EXPIRES: 01/11/2007**

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: 01/17/2002**

Apache Product Co.

ACCEPTANCE NO: 01-1108.08

APPROVED: JAN 17 2002

EXPIRES: 01/11/2007

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

1.1 This renews the Notice of Acceptance No. 98-0904.03, which was issued on 11/19/98. It approves Isocyanurate Insulation described in Section 2 of this Notice of Acceptance designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County (SFBC) and the specifications for unfaced preformed rigid cellular polyurethane thermal insulation ASTM C-591.

**2. PRODUCT DESCRIPTION**

2.1 The **Apache ISO-25 Isocyanurate insulation** shall be fabricated in strict compliance with the following document: Drawing No. APA-N2-R, titled "Apache Iso-25 Isocyanurate Insulation", Sheet 1 of 1, dated 10/15/98 signed and sealed by K. W. Schang PE bearing the Miami Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall herein after be referred to as the approved drawings.

**3. LIMITATIONS**

3.1 This insulation system may be used within fire rated assemblies that have been tested in accordance with ASTM E-119 or if protected by an approved automatic fire extinguishing system

**4. INSTALLATION**

4.1 This insulation system shall be installed in strict compliance with the approved drawing.

**5. LABELING**

5.1 Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement "Dade County Product Control Approved".

**6. BUILDING PERMIT REQUIREMENTS**

6.1 Application for Building Permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance

6.1.3 Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of this system

  
Candido Font, PE, Sr. Product Control Examiner  
Product Control Division

**Apache Products Co.**

**ACCEPTANCE NO: 01-1108.08**

**APPROVED: JAN 17 2002**

**EXPIRES: 01/11/2007**

**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 purpose.
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 time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.



Candido Font, PE, Sr. Product Control Examiner  
Product Control Division

**END OF THIS ACCEPTANCE**

## APACHE ISO-25 ISOCYANURATE INSULATION PROPERTIES

<u>Description</u>	<u>Test</u>	<u>Properties</u>
Density	ASTM D-1622	1.93 PCF
Compressive Strength	ASTM D-1621	23.4 PSI
Water Absorption by Volume	ASTM C-209	0.54%
Dimensional Stability by Volume at 14 days	ASTM D-2126	3.37%
Flame Spread	ASTM E-84	20
Smoke Density	ASTM E-84	155
Self Ignition Temp	ASTM D-1929	1004°F
R-Value ( <sup>3</sup> / <sub>4</sub> " thick)	ASTM C-518	5.61
Water Vapor Transmission	ASTM E-96	2.36 Perms

### General Notes

- Application of APACHE ISO-25 insulation shall comply with all pertinent sections of the South Florida Building Code, in particular Section 3505.3.
- This product has not been evaluated for outdoor exposure, therefore it shall be fully protected from the elements at all times.
- Installation of APACHE ISO-25 may be made with cement mortar on mechanical fasteners in accordance with the recommendation of APACHE Products Co.
- This product cannot be used as sheathing and it shall be continuously supported by a structural backing.

### **PRODUCT RENEWED**

ACCEPTANCE No. 01-1108.08  
 EXPIRATION DATE 01/11/2007  
 BY [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE November 19, 1998  
 BY [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 98-0904.03

<b>APACHE PRODUCTS COMPANY</b>		
1020 S.W. 69th AVENUE		
MIAMI, FLORIDA 33144		
APACHE ISO-25 ISOCYANURATE INSULATION		
Drawing No: APA-N2-R	Drawing Date: 10-15-98	Sheet No: 1 of 1
<u>[Signature]</u> 10-16-98		
KENNETH W. SCHANG, P.E.	CIVIL ENGINEER	14087