

**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)

**Fi-Foil Company, Inc.
612 Bridges Ave. West.
Auburndale, FL 33823**

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 the BCCO and accepted by the Building Code and Product Review Committee (BCPRC) 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 BCCO (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. BCPRC reserves the right to revoke this acceptance, if it is determined by BCCO 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 South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

DESCRIPTION: Aifol Type 1A reflective insulation.

APPROVAL DOCUMENT: Drawing No.1001, Sheets 1 of 1, titled "Product Installation Guide," dated 08/20/99, prepared by Fi-Foil Company, Inc. signed and sealed by R. O. Covington PE., bearing the Miami-Dade County Product Control Approval stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

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 NOA renews NOA # 99-0122.05 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font PE.**



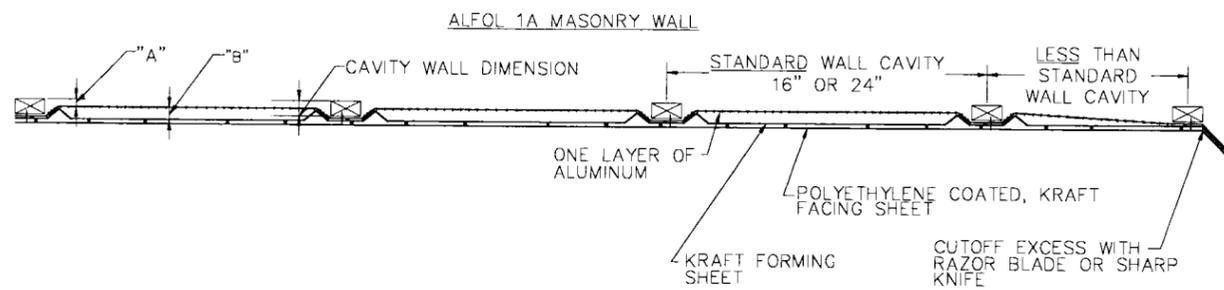
**NOA No: 01-1127.12
Expiration Date: November 22, 2006
Approval Date: March 14, 2002
Page 1**

ALFOL TYPE 1A

DESCRIPTION:

Alfol Type 1A is a reflective insulation and vapor barrier intended for use on furred-out masonry walls. Wall application is permitted under Section 3709 of The South Florida Building Code, with following properties:

PRODUCT DRAWING



NOTE: R=4.28 - 3/4" CAVITY WALL REFLECTIVE INSULATION
 R=5.02 - 1-1/2" CAVITY WALL REFLECTIVE INSULATION
 HEAT FLOW HORIZONTAL

PRODUCT SPECIFICATION TABLE

Properties	Standard	Result
Vapor Permeance	ASTM E96	.0678 perms
Flammability	ASTM E84	
Flame Spread Rating		65
Smoke Developed Rating		5
Interior Wall & Ceiling Finish Class		(1) B
Adhesive Performance		
Bleeding	ASTM C-1224, sect. 9.2.1	none
Delamination	ASTM C-1224, sect. 9.2.1	none
Pliability	ASTM C-1224, sect. 9.2.2	No signs of cracking or delamination
Corrosivity	ASTM D-3310	none
Mold & Mildew	MILSTD 810-D	Foil - No Growth Paper - Heavy Growth
Aluminum Emittance	ASTM C-1371	0.034
Thermal Performance	ASTM C-236/1224	
Heat Flow Horizontal		
3/4" Cavity	Insulation Alone	(2) R-4.28
1 1/2" Cavity	Insulation Alone	R-5.02

(1) Per National Fire Protection Association Life Safety Code 101 Section 6-5.3
 (2) R = Hr SqFt °F / Btu

WALL CAVITY DIMENSION	"A"	"B"
3/4"	*3/8"	*3/8"
1-1/2"	*1-1/8"	*3/8"

* The air spaces shown are approximate in size. The thermal performance and R-value of the insulation will not be significantly impacted by variations in these air spaces.

The Alfol type 1A design comprised of inside layer of aluminum and an outer layer of 35 lb. natural kraft paper coated with polyethylene, laminated to 26 lb. Medium linerboard which functions as an expander that separates the paper from the foil creating a reflective air space. When installed on furring strips 16" or 24" on center, a second reflective air space is formed. This air space cavity wall is dependent upon the thickness of the furring strip selected. The R-Values are dependent upon the furring strip selected.

USE:

- (a) The insulation may be used within non-fire rated assemblies.
- (b) The insulation may be used within fire-rated assemblies that have been tested in accordance with ASTM E-119 or which are protected by and approved fire extinguishing system.
- (c) The insulation may be applied to room side surface or combustible or incombustible assemblies where protected by a thermal barrier having a finish rating of not less than 15 minutes.

INSTALLATION:

See Manufacturer's Installation Instructions.

PRODUCT RENEWED

ACCEPTANCE No. 01-1127.12

EXPIRATION DATE 11/22/06

BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE September 30, 1999
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0122.05

FOR OFFICE USE ONLY

DRAWN BY JSN	DATE 8/20/99	DWG TITLE PRODUCT INSTALLATION GUIDE	
REVISIONS	DATE	TITLE ALFOL TYPE 1A	SCALE NONE
		PROJECT NO. 7Y005	DRAWING NO. 1001
		ADDRESS 612 BRIDGERS AV.W. AUBURNDALE FL. 33823	SHEET NO. PAGE 1
FI-FOIL PART # F-1AXXXXX		FI-Foil ALUMINUM KRAFT PAPER	FI-FOIL CO.

R. O. COVINGTON & ASSOCIATES

CONSULTING ENGINEERS License # 05964
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 P.O. Box 1500 Eagle Lake, FL 32835 Date: 8/20/99
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