MIAMI-DADE

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: AA-2 Vapor Shield reflective insulation..

APPROVAL DOCUMENT: Drawing No.**1002**, 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 # 99-0122.03 and consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Candido F. Font PE.**

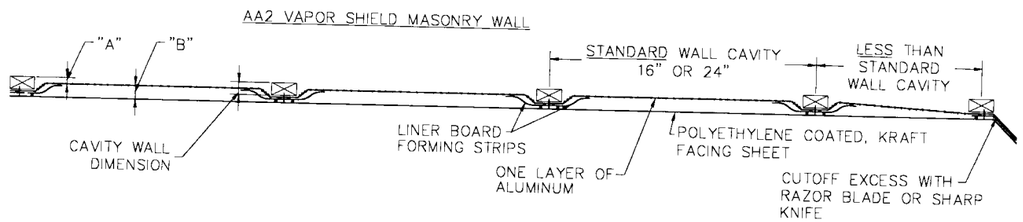
PRODUCT CONTROL ACCEPTED

AA-2 VAPOR SHIELD/MASONRY SHIELD

DESCRIPTION:

Fi-Foil AA-2 Vapor/Masonry Shield is a reflective insulation and vapor barrier intended for the use on furred-out masonry walls. Wall application is permitted under Section 3709 of The South Florida Building Code, with the following properties:

PRODUCT DRAWING



NOTE: R=4.4 – 3/4" CAVITY WALL REFLECTIVE INSULATION
R=4.74 – 7/8" CAVITY WALL REFLECTIVE INSULATION
R=5.15 – 1-1/2" CAVITY WALL REFLECTIVE INSULATION
HEAT FLOW HORIZONTAL

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

The Fi-Foil AA-2 Vapor Shield/Masonry Shield design comprised of inside layer of aluminum with a minimum thickness of 0.00035. The outer layer is 35 lb. natural kraft paper coated with polyethylene, laminated to flange baards or expanders that seperate the paper from the foil creating a reflective air space. When installed on furring strips spaced 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 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 SPECIFICATION TABLE

Properties	Standard	Result
Vapor Permeance	ASTM E96	0.802 perms
Flammability	ASTM E84	
Flame Spread Rating		45
Smoke Developed Rating		10
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	ASTM C-1338	pass
Aluminum Emittance	ASTM C-1371	0.034
Thermal Performance	ASTM C-236/1224	
Heat Flow Horizonial		
3/4" Cavity	Insulation Alone	(2) R - 4.4
7/8" Cavity	Insulation Alone	R - 4.74
1-1/2" Cavity	Insulation Alone	R - 5.15

(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"
7/8"	*1/2"	*3/8"
1-1/2"	*1-1/8"	*3/8"

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE September 30 1999
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-0122-03

FOR OFFICE USE ONLY

PRODUCT RENEWED
ACCEPTANCE No. 01-1127.10
EXPIRATION DATE 11/22/06
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

R. O. COVINGTON & ASSOCIATES
CONSULTING ENGINEERS
Robert O. Covington PE #01641
P.O. Box 1500
Eagle Lake, FL 33839
License # 05964
Phone: (941) 292-9294
Data: (941) 292-0633
Fax: (941) 299-6328

DRAWN BY: JSN	DATE 8/20/99	DWG.TITLE PRODUCT INSTALLATION GUIDE	
REVISIONS	DATE	TITLE AA-2 VAPOR SHIELD MASONARY SHIELD	SCALE NONE
			PROJECT NO. 7Y005
		ADDRESS 612 BRIDGERS AV.W. AUBURNDALE FL. 33823	DRAWING NO. 1002
FI-FOIL PART #: F-AA2XXXXX		FI-FOIL CO.	SHEET NO. PAGE 1

J:\Projects\7Y\7y005\7Y005-AA2.dwg Tue Aug 24 10:23:08 1999 HP 400