



**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: B-3 Silver Shield reflective insulation.

APPROVAL DOCUMENT: Drawing No.1003, 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 # 99-0122.04 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font PE.**



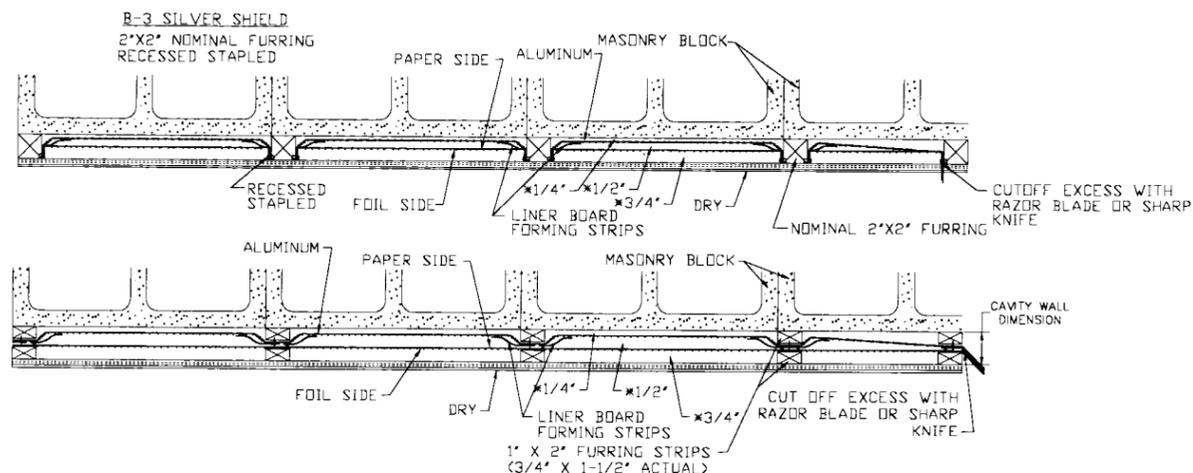
**NOA No: 01-1127.11
Expiration Date: November 22, 2006
Approval Date: March 14, 2002
Page 1**

B-3 SILVER SHIELD

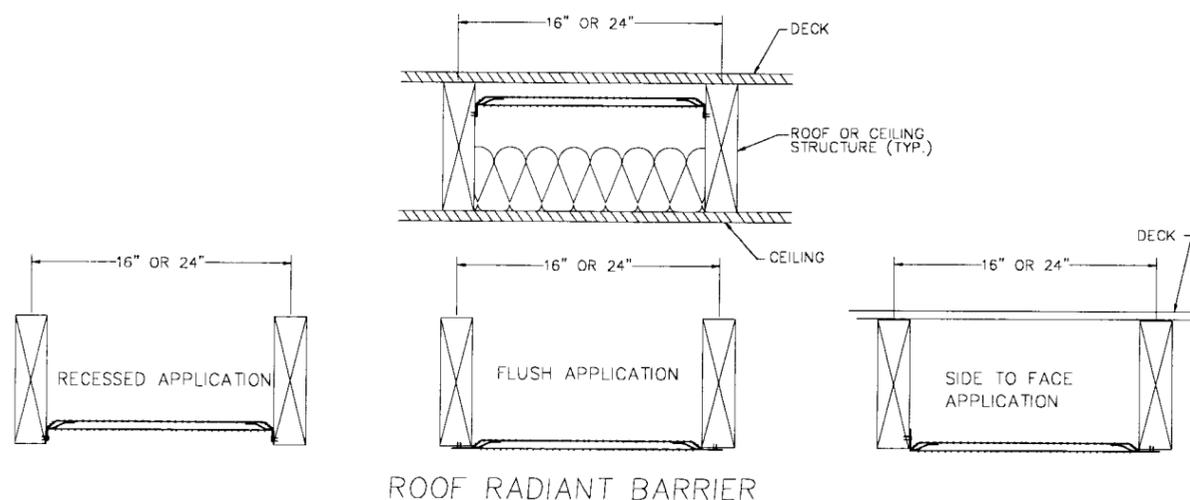
DESCRIPTION:

Fi-Foil B-3 Silver Shield is a double-layer reflective insulation intended for use in wood frame walls, floors, ceiling joists, furred-out masonry walls or roof rafters. Wall application is permitted under Section 3709 of The Florida Building Code, with the following properties:

PRODUCT DRAWINGS



NOTE: R=7.1 - 1-1/2" CAVITY MASONRY WALL REFLECTIVE INSULATION
 * 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.



Fi-Foil B-3 Silver Shield design is comprised of inside layer aluminum with a minimum thickness of 0.00035. The outer layer is 0.000285 aluminum foil laminated to 30 lb. natural kraft fire retarded paper with scrim reinforcement.

USE:

- The B-3 aluminum foil insulation may be:
- (a) Used within non-fire rated assemblies.
 - (b) Used within fire-rated assemblies that have been tested in accordance with ASTM E-119 or which are protected by an approved fire extinguishing system.
 - (c) Applied to room side surface of 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	.052 perms
Flammability	ASTM E84	
Flame Spread Rating		15
Smoke Developed Rating		15
Interior Wall&Ceiling Finish Class		(1) A
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 Horizontal		
1-1/2" Cavity	Insulation Alone	(2) R-7.1

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

PRODUCT RENEWED

ACCEPTANCE No. 01-1127.11

EXPIRATION DATE 11/22/2006

**PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE**

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE September 30, 1999
 BY [Signature]
 PRODUCT CONTROL DIV'S. ON
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0127.04

FOR OFFICE USE ONLY

DRAWN BY: JSN	DATE 8/20/99	DWG TITLE PRODUCT INSTALLATION GUIDE	
REVISIONS	DATE	TITLE B-3 SILVER SHIELD	SCALE NONE
		ADDRESS 612 BRIDGERS AV.W. AUBURNDALE FL. 33823	PROJECT NO. 7Y005
			DRAWING NO. 1003
			SHEET NO. PAGE 1
FI-FOIL PART # F-B3XXXXX		 FI-FOIL CO.	

R. O. COVINGTON & ASSOCIATES
 CONSULTING ENGINEERS
 Robert O. Covington PE #01641 License # 05964
 P.O. Box 1500 Phone: (941) 292-9294
 Eagle Lake, FL 33339 Data: (941) 292-0633
 Fax: (941) 299-6328