



**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)**

**Foiltech Manufacturing, LLC  
Box 128  
15439 Hwy. 301 N  
Dade City, FL 33523**

**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 Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Miami-Dade County Product Control Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 Florida Building Code including the High Velocity Hurricane Zone.

**DESCRIPTION: Reflective Insulation.**

**APPROVAL DOCUMENT:** Drawing No. FT2-11705-1 titled "Reflective Insulation Thermablock TBII Product Installation Guide", sheet 1 and 2, prepared by Foiltech Manufacturing LLC dated 01/17/05 with no revisions, 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.

**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 consists of this page 1, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido Font, P.E.**

*[Handwritten signature]*  
04/07/05



**NOA No 04-1222.02  
Expiration Date: April 7, 2010  
Approval Date: April 7, 2005  
Page 1**

**Foiltech Manufacturing LLC.**

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A DRAWING**

1. Drawing No. FT2-11705-1, titled "Reflective Insulation Thermablock TBII", Sheet 1 and 2, prepared by Foiltech Manufacturing LLC, dated 01/17/05 with no revisions signed and sealed by T. L. Hanson, PE.

**B TEST**

	Laboratory Report	Test	Date	Signature
1.	GLM-698	ASTM C236	06/30/04	H. F. Poppendiek
2.	RD-05131	ASTM D3310	02/11/05	R. S. Graves
3.	OP-17020-120541	ASTM E84	08/18/04	W. E. Fitch, PE.
4.	OP-17020-120393	ASTM E84	08/10/04	W. E. Fitch, PE.
5.	RD-04328	ASTM C1338	11/04/04	R. S. Graves
6.	AT-52808.01-106-31	ASTM C1224 9.1	10/20/04	J. A. Reed, PE.
7.	AT-52808.01-106-31	ASTM C1258 8.1.1	10/20/04	J. A. Reed, PE.
8.	AT-52808.01-106-31	ASTM C1258 8.1.2	10/20/04	J. A. Reed, PE.
9.	AT-52808.01-106-31	ASTM C1258 8.1.3	10/20/04	J. A. Reed, PE.
10.	AT-52808.01-106-31	ASTM C1224 9.5.1	10/20/04	J. A. Reed, PE.
11.	AT-52808.01-106-31	ASTM C1224 9.5.2	10/20/04	J. A. Reed, PE.
12.	RD-04289	ASTM C1371	09/14/04	R. S. Graves
13.	RD-04287	ASTM E96	09/13/04	D. W. Yarbrough, PE.
14.	GEO-40027A	ASTM E96	07/13/04	H.F. Poppendiek
15.	GEO-40027B	ASTM E96	07/13/04	H.F. Poppendiek

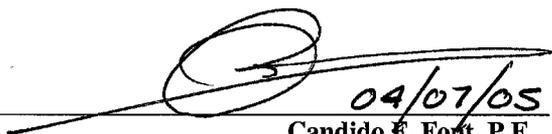
**C CALCULATION N/A**

**D QUALITY ASSURANCE**

1. Building Code Compliance Office

**E STATEMENTS**

1. Letter of no financial interest issued by Hanson & Headley dated 01/17/05, signed and sealed by T. L. Hanson PE.
2. Letter of code compliance issued by Hanson & Headley dated 04/14/04, signed and sealed by T. L. Hanson PE.

  
04/07/05  
Candido F. Font, P.E.  
Senior Product Control Examiner  
NOA No 04-1222.02  
Expiration Date: April 7, 2010  
Approval Date: April 7, 2005

# Foiltech Mfg., llc

Reflective Insulation

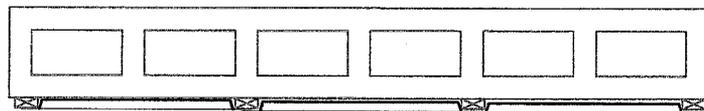
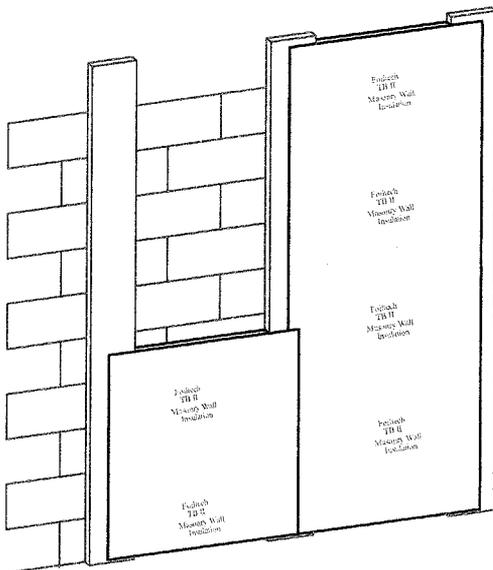
## Thermabloc TB-II

### Installation Instruction

1. Foiltech Thermabloc TB-II is designed and tested for installation on  $\frac{3}{4}$  or  $1\frac{1}{2}$  inch nominal furring strips. It can be purchased perforated or non-perforated, depending on the application and preference of the architect or builder.
2. Place your roll of TB-II at the bottom of the cavity, pull the loose end to the top of the cavity with the kraft paper facing the applicator, staple the left (or right) staple flange from the top to bottom, cut the material with a sharp razor knife. Go back to the top and staple the right (or left) staple flange.
3. As you staple the right side, give a very slight pull to expand the TB-II masonry wall insulation. Staples should be set approximately 6 to 10 inches.
4. For odd measurement cavities, staple the TB-II down the left side, the pull taunt, staple the right side at the furring strip and cut off excess material.
5. Keep your insulation running straight with the furring strips to avoid excess wrinkling as much as possible. This gives your job a better cosmetic effect.

Approved as complying with the  
Florida Building Code  
Date 04/07/05  
NOAH 04-1222-07  
Miami Dade Product Control  
Division  
By 

- ★ With a sharp knife, cut around electrical outlets. Cut as close to box as possible.
- ★ When splicing TB-II, overlap the material by at least one inch. Splice can also be taped.
- ★ Any accidental tears or cuts should be taped or material replaced.
- ★ TB-II can be used on metal studs by using double-sided tape or sprau adhesive. Any oily surfaces on the studs should be wiped down.
- ★ For other considerations, refer to ASTM C-727, Standard Practice for Installation and Use of Reflective Insulation in Buildings.

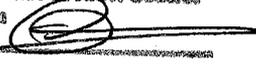


  
Thomas L. Hanson PE38654  
PO Box 1728, Dade City, FL 33526 Ph 352-521-5848

FOILTECH MFG., LLC			
PO Box 128, Dade City, FL 33526 Ph 352-521-0731 Fax 352-521-0832			
TITLE			
REFLECTIVE INSULATION THERMABLOCK TBII PRODUCT INSTALLATION GUIDE			
DATE	DWG NO.	REV	
01/17/05	FT2-11705-1		
SCALE NONE		SHEET	1 of 2

# PRODUCT SPECIFICATION TABLE

WATER VAPOR PERMEANCE	ASTM E96 5 MIL PAPER 5 MIL	126.88 GRAINS/hr FT <sup>2</sup> IN.Hg
	FOIL 1 MIL	21.93
WATER VAPOR PERMEABILITY	ASTM E96 PAPER 5 MIL	0.634 GRAINS-IN./hr FT <sup>2</sup> IN.Hg
	FOIL 1 MIL	0.022
FLAME SPREAD INDEX	ASTM E84 PAPER EXPOSED	0 FOIL SIDE/55 PAPER SIDE
SMOKE DEVELOPED INDEX	ASTM E84 PAPER EXPOSED	0 FOIL SIDE/5 PAPER SIDE
EMITTANCE	ASTM C1224 SECTION 9.1	0.038 EMISSITMITY (U VALUE)
HUMIDITY RESISTANCE	ASTM C1258 SECTION 8.1.1	NO PINHOLES OR LARGE HOLES
		INCREASED TRANSLUCENCY
	ASTM C1258 SECTION 8.1.2	NO CORROSION DEPOSITS
WATER VAPOR PERMEANCE	ASTM C1258 SECTION 8.1.3	1.031 PERMS
WATER VAPOR TRANSMISSION		0.294 g/hr M <sup>2</sup>
ADHISIVE PERFORMANCE		
BLEEDING	ASTM C1224 SECTION 9.5.1	NONE
DELAMINATION		NONE
PLIABILITY		
DELAMINATION	ASTM C1224 SECTION 9.5.2	NONE AT 70°F/32°F
CRACKING		NONE AT 70°F/32°F
EMITTANCE ON FOIL SPECIMEN	ASTM C1371	BRIGHT SIDE 0.03 AVG.
		DULL SIDE 0.04 AVG.
WATER VAPOR TRANSMISSION	ASTM E96	12.2 PERMS
ON TWO LAYERS		
FUNGI RESISTANCE	ASTM C1338	NO GROWTH
THERMAL PERFORMANCE	ASTM C236	4.2 Hr FT <sup>2</sup> OF/BTU
		6.79 BTU/Hr FT <sup>2</sup>
CORROSION OF ADHESIVES	ASTM D3310	ACCEPTABLE/PASS

Approved as complying with the  
 Florida Building Code  
 Date 04/07/05  
 NOA# 04-1227.04  
 Miami Dade Product Control  
 Division  
 By 

<b>FOILTECH MFG., LLC</b>		
PO Box 128, Dade City, FL 33526 Ph 352-521-0731 Fax 352-521-0832		
TITLE REFLECTIVE INSULATION THERMABLOCK TBII PRODUCT INSTALLATION GUIDE		
DATE 01/17/05	DWG NO. FT2-11705-1	REV
SCALE NONE	SHEET 2 of 2	