



**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)

**Environmentally Safe Products, Inc.
313 West Golden Lane.
New Oxford, PA 17350**

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 (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 the 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 High Velocity Hurricane Zone the Florida Building Code.

DESCRIPTION: Low-E Reflective Insulation.

APPROVAL DOCUMENT: Drawing No. **D-1102020307-1**, Sheets 1 of 1, titled "ESP Low-E Reflective Insulation Cavity Insulation," dated 03/08/02 with no revision, prepared by Environmentally Safe Products, Inc. signed and sealed by D. W. Yarbrough PE, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance (NOA) 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 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, 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 the 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 as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**



**NOA No: 02-0528.04
Expiration Date: December 5, 2007
Approval Date: December 5, 2002
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Drawing No. **D-1102020307**, Sheets 1 of 1, titled "ESP LOW-E REFLECTIVE INSULATION WALL CAVITY APPLICATION," dated 03/08/02, with NO revision, prepared by Environmentally Safe Products, Inc. signed and sealed by D. W. Yarbrough, P.E.

B. TESTS

Laboratory	Test	Date	Signature
1. Omega15498-109772	ASTM D1929	10/31/01	J. W. Dougherty, PE.
2. RDS01015	ASTM D3310	09/21/01	D. W. Yarbrough, PE.
3. RDS01013	ASTM C 1224	11/14/00	D. W. Yarbrough, PE.
4. RDS01010	ASTM E-96	10/24/02	D. W. Yarbrough, PE.
5. RDS01014	ASTM C-1224	10/19/01	D. W. Yarbrough, PE.
6. Omega 15498-109354	ASTM E-84	08/28/01	J. W. Dougherty, PE.
7. RDS01001	ASTM C-1338	07/30/01	D. W. Dougherty, PE.
8. RDS01011	ASTM C 1371	10/17/01	D. W. Yarborough, PE

C. CALCULATION

N/A

D. MATERIAL CERTIFICATIONS

N/A

E. STATEMENTS

1. Code compliance letter issued by R & D Services on 05/16/02, signed and sealed by D. W. Yarbrough, PE.
2. No-Financial Interest letter issued by R & D Services on 05/16/02, signed and sealed by D. W. Yarbrough, PE.



Candido F. Font PE.
Sr. Product Control Examiner
NOA No 02-0528.04
Expiration Date: December 5, 2007
Approval Date: December 5, 2002

ENVIRONMENTALLY SAFE PRODUCTS, INC. (ESP)

LOW-E REFLECTIVE INSULATION
A TYPICAL WALL INSTALLATION

DESCRIPTION

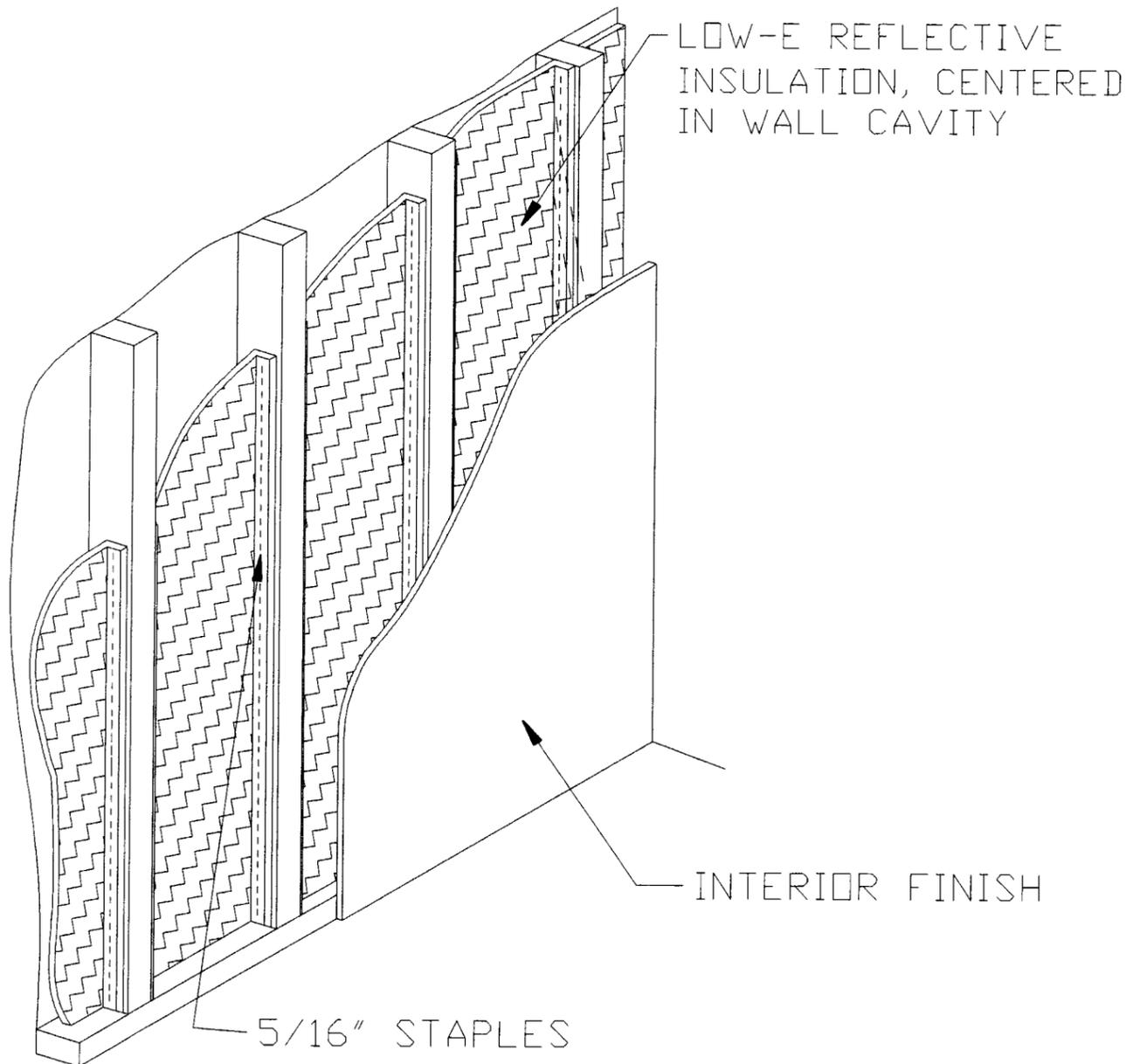
THIS IS ESP LOW-E REFLECTIVE INSULATION FOR INTERIOR USE, IN WALL CAVITIES, CRAWL SPACE APPLICATIONS AND IN BASEMENT APPLICATIONS. LOW-E CONSISTS OF A FOAM CORE LAYER WITH FOIL ON BOTH SIDES.

INSULATION PROPERTIES

DESCRIPTION	TEST	RESULTS	UNITS
EMITTANCE	ASTM-C1371	0.04	AT 70° & 50%
THERMAL PERFORMANCE	ASTM-C1224	UP 5.0 DOWN 9.5 HORIZONTAL 6.4	HR.FT ² .F BTU
FUNGUS RESISTANCE	ASTM C1338	NO GROWTH	-----
FLAME SPREAD INDEX	ASTM-E84	20	-----
SMOKE DEVELOPED INDEX	ASTM-E84	10	-----
PLIABILITY	ASTM-C1224	NO CRACKING OR DELAMINATION	-----
WATER VAPOR TRANSMISSION	ASTM-E96	0.04	PERMS
BLEEDING & DELAMINATION	ASTM-C1224	NO BLEEDING OR DELAMINATION	-----
ADHESIVE	ASTM -D3310	NO PITTING OR CRACKING	-----

FOAM CORE PROPERTIES

DESCRIPTION	TEST	RESULTS	UNITS
FLASH IGNITION	ASTM D1929	788°F	-----
SPONTANEOUS IGNITION	ASTM D1929	788°F	-----



5/16" STAPLES

INTERIOR FINISH

WALL CAVITY APPLICATION

Approved as complying with the
Florida Building Code
Date: 12/05/02
NOA#: 02-0529-04
Miami Building Product Control
Division
By: *[Signature]*

ENGINEER D. W. YARBROUGH <i>Dwy</i>	ENVIRONMENTALLY SAFE PRODUCTS, INC. 313 WEST GOLDEN LANE NEW OXFORD, PA 17350		
ENGINEERING DISCIPLINE HEAT TRANSFER	TITLE ESP LOW-E REFLECTIVE INSULATION WALL CAVITY APPLICATION		
REGISTRATION NUMBER FL 50959	SIZE B	FSCM NO	DWG NO D-1102020307-1
DRAWN J Kremer 3-8-02	SCALE NONE		REV 0
ISSUED	SHEET 1 OF 1		

Daniel W. Yarbrough