



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) 372-6339

www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

The Dow Chemical Company.
1972 West Lumsden Road # 214
Brandon, FL 33511

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: Thermax TF-610 Masonry Wall Insulation System.

APPROVAL DOCUMENT: Drawing No. **250034-3**, titled "Insulated Masonry Wall System", sheet 1 of 1, dated 04/09/08, prepared by The Dow Chemical Company, signed and sealed by Arthur J. Parker, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance 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 # 07-0629.11** and consists of this page 1, evidence page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Carlos M. Utrera
6/2/08

NOA No 08-0320.01
Expiration Date: July 1, 2012
Approval Date: June 26, 2008
Page 1

The Dow Chemical Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **250034-3**, titled "Insulated Masonry Wall System", sheet 1 of 1, dated 04/09/08, prepared by The Dow Chemical Company, signed and sealed by Arthur J. Parker, P.E.

B. TESTS

	<u>Test Report</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1.	3127637COQ-009	ASTM D1621	12/18/07	C. Bowness, P.E.
2.	3127637COQ-009	ASTM D2126	12/18/07	C. Bowness, P.E.
3.	3127637COQ-009	ASTM C203	12/18/07	C. Bowness, P.E.
4.	3127637COQ-009	ASTM C209	12/18/07	C. Bowness, P.E.
5.	3127637COQ-009	ASTM E96	12/18/07	C. Bowness, P.E.
6.	3127637COQ-009	ASTM D1622	12/18/07	C. Bowness, P.E.
7.	3127637COQ-009	ASTM C518	03/19/08	C. Bowness, P.E.
8.	File R5622	ASTM E84	05/06/08	R. K. Laymon

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATION

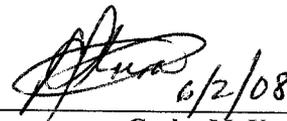
1. None.

F. STATEMENTS

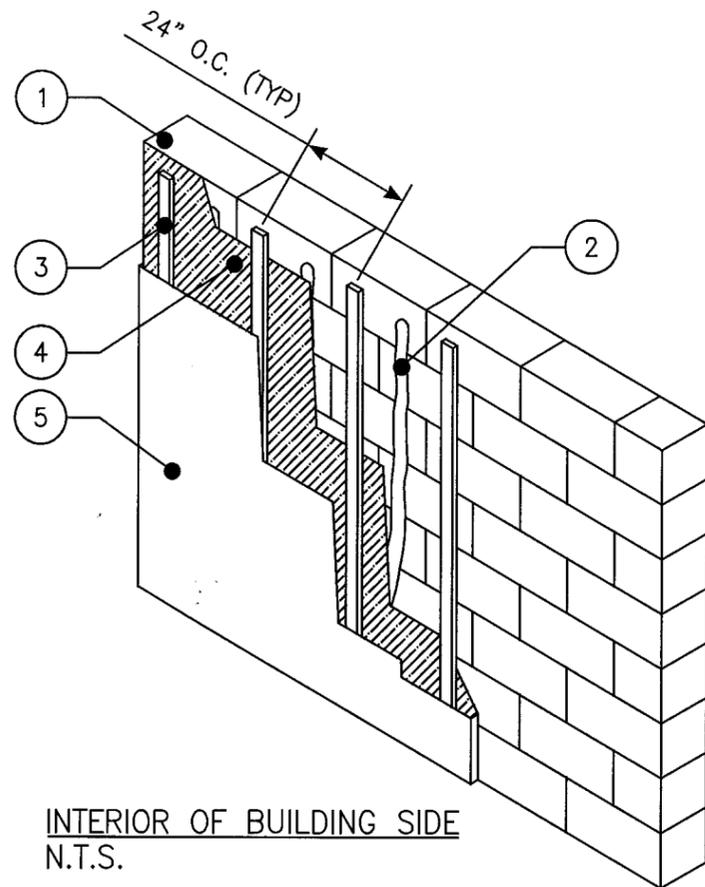
1. Test compliance letter prepared by Intertek Testing Services NA LTD on 01/29/08, signed by Kal Kooner, EIT.
2. Certificate of Independence prepared by Intertek Testing Services NA. Inc. on 09/12/07, signed by Paul Moliski.

G. OTHER

1. Notice of Acceptance NOA No. **07-0629.11** issued to The Dow Chemical Company, approved on 11/15/07 and expiring on 07/01/08.

 6/2/08

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 08-0320.01
Expiration Date: July 1, 2012
Approval Date: June 26, 2008



- ① 8"X8"X16" C90 CMU WITH MASONRY MORTAR PER ASTM C270
- ② LIQUID NAILS
- ③ WOOD FURRING STRIP (1"X2")
- ④ 1/2" THERMAX SHEATING (TF 610)
- ⑤ 1/2" GYPSUM BOARD

INSTALLATION

- A. THERMAX SHALL BE LAMINATED TO THE INTERIOR FACE OF THE WALL WITH APPROVED ADHESIVE (MACCO LN 601 "LIQUID NAILS" OR EQUAL) PER MANUFACTURER'S INSTRUCTIONS.
- B. WOOD FURRING OR METAL FURRING STRIPS SHALL BE APPLIED VERTICALLY OVER THE INSULATION ON 24" CENTERS WITH MECHANICAL FASTENERS PENETRATION THE MASONRY 1" MINIMUM AND SPACED 12" O.C. FASTENERS USED ARE 3/16" X 2-1/4" TAPCON SCREWS FOR SECURING FURRING STRIPS TO MASONRY.
- C. 1/2" REGULAR GYPSUM BOARD SHALL BE SECURED TO THE FURRING WITH STANDARD 0.137" X 1-1/8" DRYWALL NAILS OR SCREWS, NOT MORE THAN 12" O.C.
- D. THE AIRSPACE CREATED BY THE VOIDS BETWEEN THE FURRING STRIPS SHALL ALWAYS BE MAINTAINED.
- E. MASONRY WALL COMPLYING WITH CHAPTER 21 OF THE F.B.C. 2004.

INTERIOR OF BUILDING SIDE
N.T.S.

(1") THERMAX (TF 610)

PROPERTIES	RESULTS	TESTS
DENSITY	2.20 lbs/ft ³	ASTM D1622
THERMAL CONDUCTIVITY	0.153 BTU-inch/hr ft ²	ASTM C518
COMPRESSIVE STRENGTH	21 psi	ASTM D1621
FLEXURAL STRENGTH	62.2 psi	ASTM C203
BREAK LOAD	11.5 lbf	ASTM C203
WATER ABSORBED BY VOLUME	0.10%	ASTM D209
WATER VAPOR TRANSMISSION	0.08 perms	ASTM E96
TENSILE STRENGTH	3645 psf	ASTM C209
DIMENSIONAL STABILITY (THICKNESS)	1.20%	ASTM D2126
DIMENSIONAL STABILITY (LENGTH & WIDTH)	0.10%	ASTM D2126
FLAME SPREAD INDEX	25	ASTM E84
SMOKE DEVELOPED INDEX	180	ASTM E84

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 08-0320.01
Expiration Date 07/01/12
By [Signature]
Miami/Dade Product Control
Division

[Signature]
4/14/08
FL.P.E. LIC# 55279

REVISIONS		NO.	DATE	 THE DOW CHEMICAL COMPANY FLORIDE OFFICE 1971 WEST LUMSDEN RD. #214 BRANDON, FL 33511
1				
2				
3				
4				
5				