



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/buldingcode

NOTICE OF ACCEPTANCE (NOA)

Reward Wall Systems, Inc.
9931 South 136th Street, Suite 100
Omaha, NE 68138

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: eForm and iForm Insulating Concrete Form

APPROVAL DOCUMENT: Drawing No. 1, titled "eForm and iForm Insulating Concrete Form Material Components", dated 11/25/08, sheet 1 of 1, prepared by Reward Wall Systems, Inc, signed and sealed by Robert W. Miller, 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 # 03-1112.05** 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.**



Signature
12/11/08

NOA No 08-0805.19
Expiration Date: January 8, 2014
Approval Date: December 31, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. 1, titled "eForm and iForm Insulating Concrete Form Material Components", dated 11/25/08, sheet 1 of 1, prepared by Reward Wall Systems, Inc, signed and sealed by Robert W. Miller, P.E.

B. TESTS

| | <u>Report</u> | <u>Test</u> | <u>Date</u> | <u>Signature</u> |
|----|-----------------------|-------------|-------------|--------------------|
| 1. | Letter dated 09/24/08 | ASTM E84 | 11/17/08 | Rick Curkeet, P.E. |
| 2. | 3083138-500 | ASTM D1929 | 11/17/08 | Rick Curkeet, P.E. |
| 3. | 3083138-501 | ASTM D1929 | 11/17/08 | Rick Curkeet, P.E. |
| 4. | 3155328SAT-002 | ASTM D1929 | 11/17/08 | Rick Curkeet, P.E. |
| 5. | ETC 97-274-4279.0 | ASTM E96 | 11/17/08 | Rick Curkeet, P.E. |
| 6. | ETC 97-274-4279.0 | ASTM C272 | 11/17/08 | Rick Curkeet, P.E. |
| 7. | 3155328SAT-001 | ASTM D635 | 11/17/08 | Rick Curkeet, P.E. |
| 8. | 15622-102083 | ASTM C518 | 11/17/08 | Rick Curkeet, P.E. |

C. CALCULATION

1. None.

D. MATERIAL CERTIFICATION

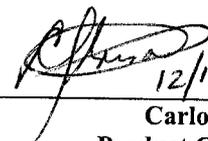
1. None.

E. STATEMENTS

1. Letter of code compliance issued by M2 Design Group, dated 11/25/08, signed and sealed by Robert W. Miller, P.E.

F. OTHERS

1. Notice of Acceptance No. 03-1112.05, issued to Reward Wall Systems, Inc, for their Insulated Concrete Form, approved on 01/08/04 and expiring on 01/08/09.


12/11/08

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 08-0805.19

Expiration Date: January 8, 2014
Approval Date: December 31, 2008

REWARD WALL SYSTEMS, INC.

9931 SOUTH 136th STREET
SUITE 100
OMAHA, NE 68138-3936
1-800-468-6344

eFORM™ AND iFORM™ INSULATING CONCRETE FORMS

DESCRIPTION

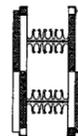
THE REWARD WALL SYSTEM IS AN INSULATING CONCRETE FORM MADE OF EXPANDED POLYSTYRENE (EPS) USED TO BUILD CAST-IN-PLACE REINFORCED CONCRETE WALLS. AFTER THE CONCRETE HAS HARDENED, THE FORMS STAY IN PLACE TO INSULATE THE WALLS. THE CONCRETE WALL FORMWORK SHALL COMPLY WITH ACI 347 AND FBC (FLORIDA BUILDING CODE) 2007. THE CONCRETE WALLS SHALL BE DESIGNED TO COMPLY WITH ACI 318. THE EPS PROPERTIES ARE LISTED BELOW. THIS APPROVAL PERTAINS TO THE INSULATION PROPERTIES OF THE REWARD WALL SYSTEM AND DOES NOT APPROVE STRUCTURAL AND OR FORMING CAPACITY OF THE MATERIAL AND THE SYSTEMS. THE MAIN COMPONENT EPS IN iFORM AND eFORM IS IDENTICAL IN COMPOSITION, COLOR AND INSULATING CAPACITY.

| STANDARD | DESC | TESTED VALUES | | TEST REPORT / LETTER |
|-------------|--|--|---|---|
| ASTM E 84 | Flame Spread - EPS Foam | eForm - 25 or less | iForm - 25 or less | Intertek letter dated 9/24/08 |
| ASTM E 84 | Smoke Development - EPS Foam | eForm - 450 or less | iForm - 450 or less | Intertek letter dated 9/24/08 |
| ASTM D 1929 | Self Ignition - EPS Foam | 914°F flaming BASF BFL 422 EPS Resin or Huntsman 6340 EPS Resin | | 3083138-500 and 3083138-501 dated 9/16/05 |
| ASTM D 1929 | Flash Ignition - EPS Foam | 716°F flaming BASF BFL 422 EPS Resin or Huntsman 6340 EPS Resin | | 3083138-500 and 3083138-501 dated 9/16/05 |
| ASTM D 1929 | Self Ignition - Plastic Tie | 752°F flaming | | 3155328SAT-002 dated 6/28/08 |
| ASTM D 1929 | Flash Ignition - Plastic Tie | 680°F flaming | | 3155328SAT-002 dated 6/28/08 |
| ASTM E 96 | Water Vapor Transmission - EPS Foam | 2.297 (g / h * m²) | | ETC 97-274-4279.0 dated 10/13/97 |
| ASTM C 272 | Water Absorption - EPS Foam | Ave. = 95% | | ETC 97-274-4279.0 dated 10/13/97 |
| ASTM D 635 | Rate of Burn - Plastic Tie | HB (CC2)* classification (polypropylene) | | 3155328SAT-001 dated 6/26/08 |
| ASTM C 518 | Thermal Transmission Properties - EPS Foam | Thickness (in.) | Thermal Resistance (°F * ft² * h / BTU) | 15622-102083 dated 10/20/97 |
| | | 1.0 | 4.11 | |
| | | 2.0 | 8.22 | |
| | | 3.0 | 12.33 | |
| | | 3.5 | 14.38 | |

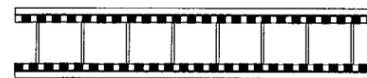
* Material meets or exceeds the CC2 acceptance criteria for burn rate, but is not a Light-Transmitting Plastic

STRAIGHT eFORM

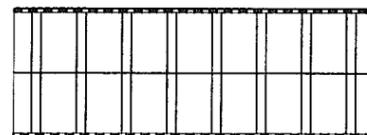
LENGTH = 48'
HEIGHT = 16'
WIDTH = 5.5' CONCRETE CORE - 3/4' FORM
7.5' CONCRETE CORE - 1 1/4' FORM
SURFACE AREA = 5.33 SQ. FT.
WEIGHT = 5 LBS.
CONCRETE VOLUME = 1 CU. YARD FILLS 11.0 - 3/4' FORMS
1 CU. YARD FILLS 8.1 - 1 1/4' FORMS



END



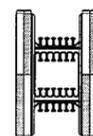
TOP



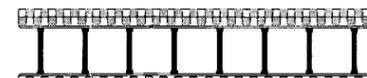
SIDE

STRAIGHT iFORM

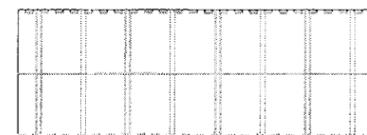
LENGTH = 48'
HEIGHT = 16'
WIDTH = 4' CONCRETE CORE - 9' FORM
6' CONCRETE CORE - 11' FORM
8' CONCRETE CORE - 13' FORM
10' CONCRETE CORE - 15' FORM
SURFACE AREA = 5.33 SQ. FT.
WEIGHT = 5 LBS.
CONC. VOLUME = 1 CU. YARD FILLS 15.1 - 9' FORMS
1 CU. YARD FILLS 10.0 - 11' FORMS
1 CU. YARD FILLS 7.5 - 13' FORMS
1 CU. YARD FILLS 6.0 - 15' FORMS



END



TOP



SIDE

90° iFORM

LENGTH = 31' (9' FORM)
33' (11' FORM)
35' (13' FORM)
31' (15' FORM)
RETURN = 19' (9' FORM)
21' (11' FORM)
23' (13' FORM)
19' (15' FORM)

45° iFORM

OUTSIDE LENGTH = 22' x 10'

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 08-0805.19
Expiration Date 01/03/2014
By *[Signature]*
Miami Dade Product Control
Division

DESIGN GROUP
1140 NORTH HIGH ST., SUITE 230
WORTHINGTON, OHIO 43085
614 . 844 . 5855

Routaville

PROJECT
MIAMI DADE
eForm and iForm Insulating
Concrete Form Material Components
REWARD WALL SYSTEMS, INC.

PROJ. NO. 08-0226
DRAWN RUM
DATE 11/25/08

SHEET NUMBER
1 OF 1
DRAWING #1