



NYC Department of Buildings
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Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 618-06-M

Manufacturer: Owens Corning Sales, Inc., One Owens Corning Parkway, Toledo, OH 43615

Trade Name(s): Fold-Form

Product: Fire-rated exterior insulated concrete wall assembly for combustible construction

Pertinent Code Section(s): 27-297, 27-107, 27-133

Prescribed Test(s): RS 5-5(ASTM E84), Combustion Toxicity, RS 5-2 (ASTM E119)

Laboratory: Intertek Testing Services Ltd. (ITS)
Anderson Laboratories, Inc. (AL)
Western Fire Center, Inc.

Test Report(s): AL Test report #647 dated Sept. 11, 2006.
ITS Test report #3109214SAT-001 and Western Fire Center letter dated February 5, 2007

Description: The Owens Corning Fold-Form concrete forms are stay-in-place concrete forms for poured concrete wall systems. The wall system is comprised of the following:

1. Insulated Concrete Forms: Standard form units are comprised of two 48" x 12" x 2" thick high density expanded polystyrene (EPS) panels held together by high impact plastic ties. The available wall depths are 4", 6", 8", 10", 12", 14" and 16".
2. Steel Reinforcement: Steel reinforcement shall be placed as per the Owens Corning Product Installation Manual, engineering design, and requirements of the New York City Building Code.

3. Normal Concrete Design: Smooth aggregate of ½” to ¾” is recommended. 3000psi concrete with a 4 to 6-inch slump is recommended.

4. Cover Material: Fold-Form should be covered on the exterior to protect it from damage from UV rays. Cover material should be suitable for exposure and can be mechanically fastened to the plastic ties or adhered to the forms. Follow local building code requirements for covering the forms on the interior.

Based on letter from Western Fire Center, a wall assembly containing a minimum of six (6) inches of normal weight concrete would provide a 2-hour fire-resistance rating, when tested in accordance with ASTM E119.

Terms and Conditions: The above-described wall assembly material consisting of exterior insulated concrete form and other components are accepted as having fire resistance classification listed above for combustible construction only.

1. Installation shall comply with the applicable New York City Building Code, rules and regulations and in particular with Section 27-297A, Tables 3-4 and 4-2 of the Building Code for 1-, 2- or 3-family units, when interior and exterior of the insulated concrete form is covered with accepted one-hour fire-rated material.
2. This acceptance does not include structural adequacy of wall design, which must be certified by a P.E. or R.A. for particular structures in compliance with the Building Code prior to plan examination by Department engineers.
3. All shipments and deliveries of such materials shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.

Note: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance April 11, 2007

Examined By Simon Derphudant