



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

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 316-05-M

Manufacturer: ECO-Block, LLC, 11112 Grader Street, Dallas, TX 75238

Trade Name(s): ECO-Block

Product: Fire-rated insulated concrete wall assembly for Class II buildings

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

Prescribed Test(s): RS 5-5 (ASTM E84), Toxicity, TD 5-2 (ASTM 119)

Laboratory: Intertek Testing Services(ITS), Southwest Research Institute(SwRI), Omega Point(OP), Celotex

Test Report(s): OPC Test Nos. 16233-108915, dated January 16, 2002 and 16233-106668, dated October 3, 2000; ITS letter dated December 20, 2002; Celotex No. 2583891, dated February 25, 1998; and SwRI Project No. 01-11813-01-013

Description: The ECO-Block insulated concrete forms (ICFs) are used as stay-in-place formwork for structural concrete, load-bearing and non-load-bearing, below-grade and above-grade walls. The forms are used in construction of plain and reinforced concrete beams, lintels, exterior and interior walls, and foundation and retaining walls. The forms remain in place after placement and curing of concrete and shall be covered with approved interior- and exterior-finish material.

Based on ITS/Warnock Hersey, the below Table will provide fire-resistance rating under load-bearing conditions based on ASTM E119.CAN/ULCS101-M89.

ECO-Block Concrete Thickness	Fire-Resistance Rating
4 in. (100mm)	2 Hours
6 in. (150mm)	4 Hours
8 in. (200mm)	4 Hours

Terms and Conditions: The above-described wall assembly, consisting of exterior, insulated concrete form and other components, is accepted under the following conditions:

1. Assemblies shall have fire-resistance classification, as listed in above Table, for combustible construction only.
2. Installation shall comply with the applicable New York City codes, Rules and Regulations and in particular with Section 27-297A, and Tables 3-4 and 4-2 of the New York City Building Code, for 1-, 2- or 3-family buildings, when interior and exterior of the insulated concrete form are covered with accepted one-hour fire-rated material.
3. This acceptance does not include structural adequacy of wall design, which must be certified by a New York State Professional Engineer or Registered Architect for particular structures for compliance with the New York City Building Code, prior to plan examination by Department engineers.
4. All shipments and deliveries of such equipment shall be provided with a label, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the 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 December 29, 2006

Examined By Sun Derkhdam