



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Robert D. LiMandri, Acting 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 201-08-M

- Manufacturer:** Airlite Plastics Company, 6110 Abbott Drive, Omaha, NE 68110-2805
- Trade Name(s):** Fox Blocks
- Product:** Fire-rated interior & exterior insulating concrete form wall assembly for combustible construction
MEA Index #650-40 – Insulating Material
- Pertinent Code Section(s):** 27-297, 27-107, 27-133
- Prescribed Test(s):** RS 5-5 (ASTM E84), Toxicity and RS 5-2 (ASTM E119)
- Laboratory:** Intertek Testing Services (ITS), Southwest Research Institute (SwRI), Underwriters Laboratories, Inc. (UL)
- Test Report(s):** ITS Test Reports: 3103050-001 & 3103050-002 dated 12/21/2006, and 3114608 dated .8/20/2007. SwRI Project No.01.12696.02.060 dated 10/19/2007. UL letter dated June 6, 2007 for File No. R25163.

Description: The Fox Blocks Insulating Concrete Forms (ICFs) are used as stay-in-place form work 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 foundations and retaining walls. The forms remain in place after placement and curing of concrete and must be covered with approved interior and exterior finish materials in accordance with the applicable code.

Based on testing done by Intertek Testing Services, the Table below will provide fire-resistance rating under load-bearing conditions based on ASTM E119.

CONCRETE THICKNESS (inches)	FIRE-RESISTANCE RATING (hours)
4	2
6	3
8	4

Fox Blocks Insulating Concrete Form Wall System:

1. **Insulating Concrete Forms** - Standard form units comprised of two 48" x 16" x 2.625" thick expanded polystyrene (EPS) panels linked by polypropylene webs spaced at 8" on center. The widths of the wall cavity are 4", 6", and 8". For a complete listing of products and technical information visit the Fox Blocks website, www.foxblocks.com. Fox Blocks ICF's bear the Warnock Hersey Manufacturing Product certification mark (US and CAN).
2. **Steel Reinforcement** – Steel reinforcement shall be placed as per the Fox Blocks ICF Product Manual, or as per local engineering design and building code requirements.
3. **Normal Weight Concrete** – 145 +/- 5 lb/ft³ density, 3000 psi compressive strength.
4. **Gypsum Board** – Classified or unclassified ½" thick, 48" wide gypsum wallboard fastened to flanges of polypropylene webs with 1.5" long drywall screws spaced on center 12" vertically and 16" horizontally. Minimum weight 1.6 psf. Joints covered with joint compound. Screwheads covered with joint compound.

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

1. Assemblies shall have fire-resistance classification, as listed in the 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 Building Code, for 1-2 or 3 family buildings, when the interior and exterior of the insulating 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 Professional Engineer or Registered Architect for the particular structures for compliance with the Building Code, prior to plan examination by Department engineers.
4. All shipments and deliveries of such materials shall be accompanied by a certificate or label certifying that the material shipped or delivered is equivalent to those tested and accepted 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 other 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 resisted or discontinued if necessary to secure safety.

Final Acceptance August 22, 2008
Examined By Simon Dorfshuler