



NYC Department of Buildings
280 Broadway, New York, NY 10007
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 414-07-M

Manufacturer: Amvic Inc., 501 McNicoll Avenue, Toronto, Ontario, CANADA M2H 2E2

Trade Name(s): Amvic ICF

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

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

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

Laboratory: Intertek Testing Services (ITS)
Southwest Research Institute (SwRI)

Test Report(s): ITS: 3008301 (ASTM E119), 3135299COQ1 (ASTM E84)
SwRI: 01.12696.02.042

Description: Amvic insulated concrete forms (ICF) are hollow, lightweight forms manufactured using two 2 1/2" (63.5 mm), 1.5 lbs/cu. ft. density expanded polystyrene (EPS) panels which are connected by uniquely designed, high-impact polypropylene webs. The forms are stacked together during construction and reinforcing bars are placed as per engineering design / Building Code requirements. The forms are then filled with normal weight concrete to form a structural wall. The forms remain in place and shall be covered with an approved interior and exterior finish material.

Walls formed by Amvic ICF may be used for but not limited to any of the following:

Below grade walls, above grade walls, interior walls, exterior or demising walls, loadbearing walls, non-loadbearing walls, shear walls, retaining walls, structural beams or lintels over wall openings.

As per ITS/Warnock Hersey testing, Amvic Walls using 6-inch concrete core or more have a fire resistance rating under load-bearing condition in accordance with ASTM E119 testing as per table below:

Form Size (Wall Thickness)	Fire Rating
6 inch	3+ hours
8 inch	3+ hours
10 inch	3+ hours
12 inch	3+ hours

Terms and Conditions: The above-described wall assembly is accepted under the following conditions:

1. The wall assembly shall have fire-resistance rating, as listed in above table, for combustible construction only.
2. Installation shall comply with the applicable New York City Building Code, 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 insulating concrete forms 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 New York City Building Code, prior to plan examination by the Department.
4. All shipments and deliveries of such materials shall be provided with a label or certificate, suitably placed, certifying that the materials shipped or delivered are 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 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 12, 2007
Examined By Sun Derphudam