

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner
MEA 116-03-M

Report of Material and Equipment Acceptance Division

Manufacturer – Reward Wall System, Inc., 4115 South 87th Street, Omaha, Nebraska 68127.

Trade Name(s) – Reward eForm, Reward iForm.

Product – Fire rated exterior insulated concrete form wall assembly for combustible construction.

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

Prescribed Test(s) – RS 5-5 (ASTM E84), Toxicity, RS 5-2 (ASTM 119).

Laboratory – Omega Point Laboratories Inc. and Southwest Research Institute.

Test Report(s) – OPL Report No. 15622-101883 dated July 12, 1999 and 15622-100710 dated July 7, 1997; SwRI Project No. 01.06062.01.052 dated June 13, 2003.

Description – This product is a hollow block assembly designed to form a bearing or non-bearing wall after being assembled and filled with concrete. These walls can be used for either interior or exterior applications. The molded expanded polystyrene product consists of modified EPS molded to a specified shape. Straight pieces, 90° corners, and 45° corners are approved shapes. The eForm blocks measure either 9.25 in. or 11 in. x 16 in. x 48 in. The iForm blocks measure 9 in., 11 in., or 13 in. x 16 in. x 48 in. The blocks are used for concrete forming, which are left in place after the pouring of the concrete. The expanded polystyrene sections form the outside surfaces of the finished wall and are held together by molded plastic ties, which pass through the concrete.

Foam Density – 1.5 pcf.

Tests – ASTM E84/UL 723 Ceiling

Flame Spread Index – 25 or less

Smoke Developed Index – 450 or less.

ASTM E 119/ANSI/UL 263/NFPA 251/CAN-ULC-S101-M89
Reference Listed Design Section

Design No.	Rating
BW 500	4 Hour
BW 501	3 Hour
BW 502	4 Hour
BW 503	3 Hour
BW 504	1 Hour
BW 505	2 Hour
BW 506	2 Hour

Design No.	Rating
NBW 500	4 Hour
NBW 501	3 Hour
NBW 502	4 Hour
NBW 503	3 Hour
NBW 504	1 Hour
NBW 505	2 Hour
NBW 506	2 Hour

Recommendation - That the above described wall assembly consisting of the exterior insulated concrete form and other components be accepted as having fire resistance classification listed above for combustible construction only, when installation complies with the applicable New York City Codes, 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, when interior and exterior of the insulated concrete form is covered with accepted one hour fire rated material.

This acceptance does not include structural adequacy of wall design, which must be certified by a P.E., or R.A. for particular structures for compliance with the Building Code prior to plan examination by department engineers.

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 for in Section 27-131 of the Building Code.

Final Acceptance July 25/03

Examined by S DerPhudaw