



DIVISION: 09 00 00—FINISHES
Section: 09 77 00—Special Wall Surfacing

REPORT HOLDER:

OWENS CORNING SALES, LLC

EVALUATION SUBJECT:

BASEMENT FINISHING SYSTEM™

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)†

†The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Surface-burning characteristics
- Flammability characteristics of textile wall coverings
- Interior finish stability at elevated temperatures

2.0 USES

The Owens Corning Basement Finishing System™ is used to cover existing basement walls.

3.0 DESCRIPTION

The Owens Corning Basement Finishing System™ consists of PVC support lineals, snap-in-trim components, base, battens and cove moldings and prefinished glass-fiber panels (see Figure 1). Panels are prefinished with a 17.6-ounce (499 gm) polyolefin sheet with Teflon finish and acrylic backing. The panels meet the requirements for classification as a Class A interior wall finish under the IBC when tested in accordance with ASTM E84. The panel sizes are 48 inches by 94 inches by 2 1/2 inches (1219 by 2388 by 64 mm). The lineals are 93 1/2 inches by 2 1/2 inches (2375 mm by 64 mm).

4.0 INSTALLATION

The Owens Corning Basement Finishing System™ must be installed in accordance with the Owens Corning published installation instructions, the applicable code and this report. The system is limited to installation over walls of concrete, concrete masonry, wood or metal framing and

existing wood- or steel-framed gypsum board walls. All electrical, mechanical and plumbing work must be done prior to installation of the wall panel system. Electrical boxes and wiring must be attached to existing walls in accordance with the applicable code requirements and are subject to approval of the code official.

4.1 Fastening Lineals to Concrete and Concrete Masonry Walls:

Lineals are attached to concrete or concrete masonry walls using 3/16-inch-by-1 1/4-inch (5 by 32 mm) concrete screws every 24 inches to 30 inches (610 to 762 mm) on center. The trim moldings must then be snapped into the lineals, holding the panels in place.

4.2 Fastening Lineals to Existing Wood- or Steel-framed Gypsum Board:

Horizontal lineals are attached at every wood or metal stud with 1 1/4-inch-long (31.8 mm) drywall screws. Vertical lineals must be attached with construction adhesive and held in place with 1 1/4-inch-long (31.8 mm) drywall screws every 24 inches to 30 inches (610 to 762 mm) on center. The vertical lineals need not be aligned with the studs.

4.3 Fastening Lineals to Wood or Metal Framing:

Lineals are attached to wood framing members with 1 1/4-inch-long (31.8 mm) drywall screws every 24 inches to 30 inches and metal framing members with No. 8 by 1/2-inch (13 mm) wafer head self-tapping metal screws every 24 to 30 inches.

5.0 CONDITIONS OF USE

The Owens Corning Basement Finishing System™ described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** Installation of the Basement Finishing System™ must be in accordance with this report, the applicable code and the manufacturer's published installation instructions. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2** Concealed electrical, mechanical or plumbing components must be installed and inspected prior to the installation of the Basement Finishing System™ to verify compliance with the applicable code.
- 5.3** Attachment of the Basement Finishing System™ is limited to concrete, concrete masonry walls, wood or metal framing and existing wood- or steel-framed gypsum board walls.

- 5.4 Concealed spaces must be draftstopped and fireblocked in accordance with 2015 and 2012 IBC Section 718 (2009 and 2006 IBC Section 717), and IRC Sections R502.12 and R502.13 (as applicable).
- 5.5 The basement wall system shall be limited to use on Type VB construction under the IBC and construction in accordance with the IRC.

6.0 EVIDENCE SUBMITTED

- 6.1 Manufacturer's published installation instructions.
- 6.2 Reports of tests in accordance with ASTM E84.
- 6.3 Reports of tests in accordance with NFPA 265.
- 6.4 Reports of fire tests on panel stability at 300°F (149°C) for 30 minutes.
- 6.5 Quality documentation.

7.0 IDENTIFICATION

- 7.1 The Owens Corning Basement Finishing System™ components bear a label indicating the Owens Corning Sales, LLC, name, the product name, the Owens Corning product code number and the evaluation report number (ESR-1872).
- 7.2 The report holder's contact information is the following:

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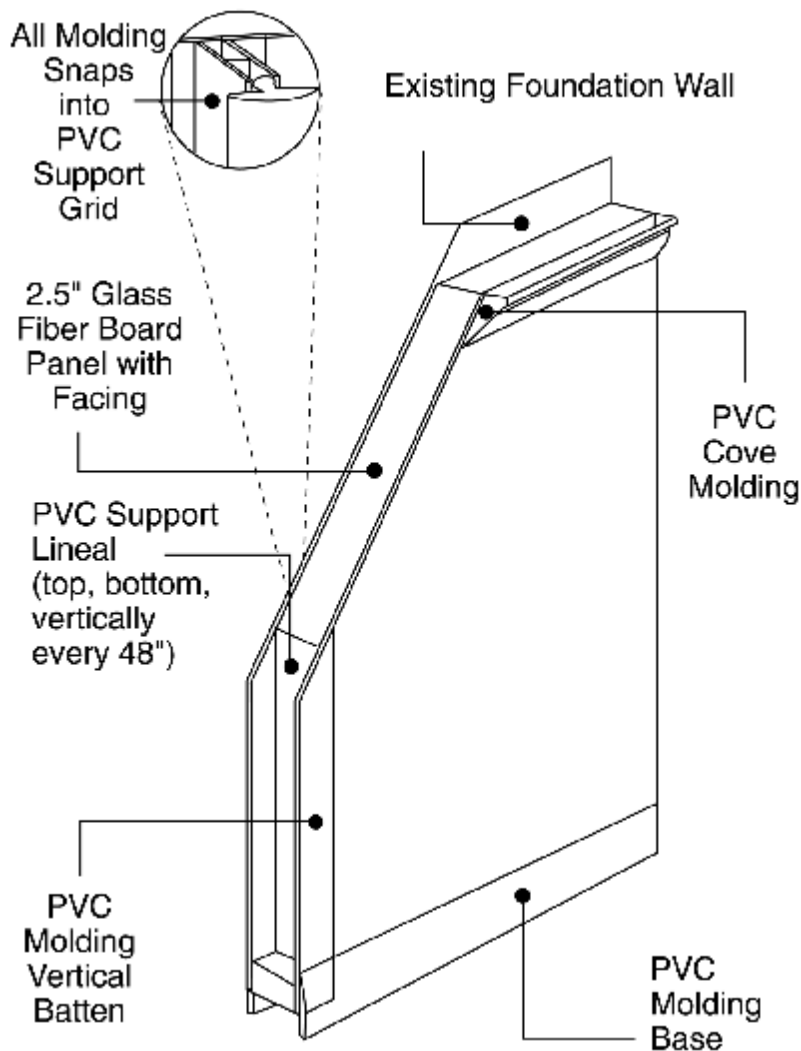


FIGURE 1—OWENS CORNING BASEMENT FINISHING SYSTEM™