

# ICC-ES Evaluation Report

**ESR-1872**

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This report is subject to re-examination in two years.

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**DIVISION: 09—FINISHES**
**Section: 09770—Special Wall Surfaces**
**REPORT HOLDER:**

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**EVALUATION SUBJECT:**
**BASEMENT FINISHING SYSTEM™**
**1.0 EVALUATION SCOPE**
**Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)

**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 E 84. The panel sizes are 48 inches by 94 inches by 2<sup>1</sup>/<sub>2</sub> inches (1219 by 2388 by 64 mm). The lineals are 93<sup>1</sup>/<sub>2</sub> inches by 2<sup>1</sup>/<sub>2</sub> 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 and existing wood- or steel-framed gypsum 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 <sup>3</sup>/<sub>16</sub>-inch-by-1<sup>1</sup>/<sub>4</sub>-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:**

Horizontal lineals are attached at every wood stud with 1<sup>1</sup>/<sub>4</sub>-inch-long (31.8 mm) drywall screws. Vertical lineals must be attached with construction adhesive and held in place with 1<sup>1</sup>/<sub>4</sub>-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.

**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 and existing wood- or steel-framed gypsum walls.
- 5.4** Concealed spaces must be draftstopped and fireblocked in accordance with IBC Section 717, IRC Sections R502.12 and R502.13 (as applicable) BNBC Section 721, SBC Section 705.3 and UBC Section 708.

**6.0 EVIDENCE SUBMITTED**

- 6.1 Manufacturer's published installation instructions.
- 6.2 Reports of tests in accordance with ASTM E 84
- 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**

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).

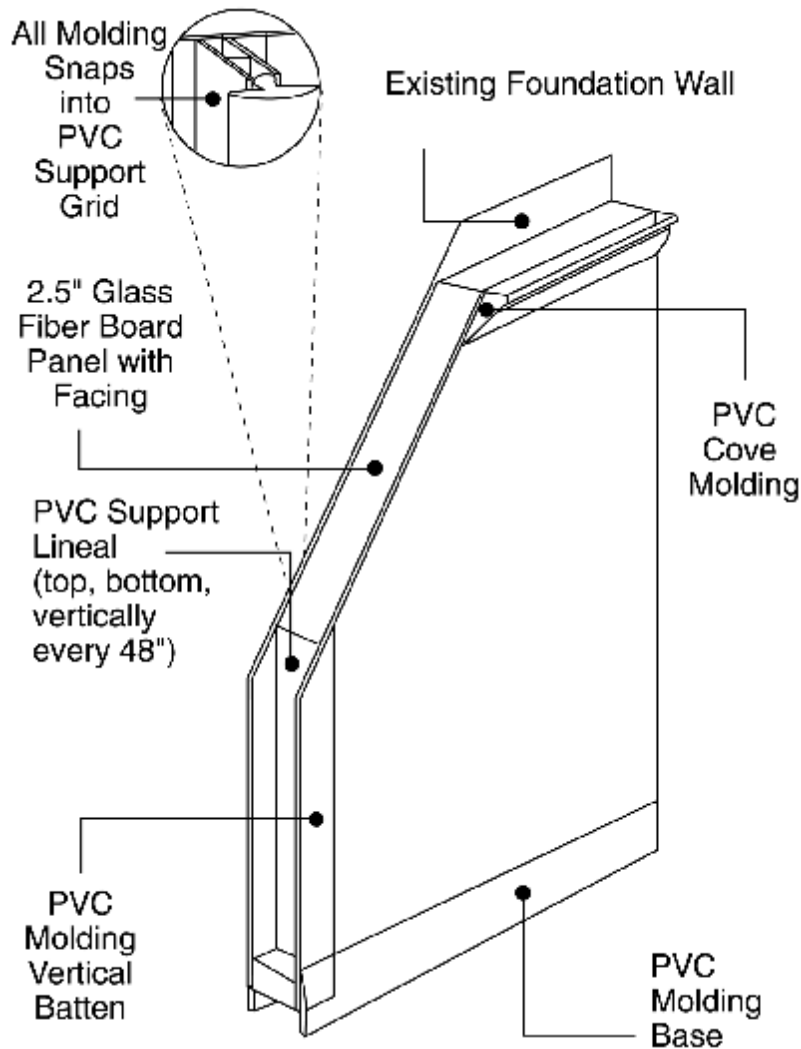


FIGURE 1—OWENS CORNING BASEMENT FINISHING SYSTEM™