

**ICC-ES Evaluation Report****ESR-1511**

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**DIVISION: 09 00 00—FINISHES****Section: 09 22 36—Lath****REPORT HOLDER:****BASF CORPORATION**  
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[www.wallsystems.basf.com](http://www.wallsystems.basf.com)**EVALUATION SUBJECT:****PERMALATH GLASS FIBER LATH****1.0 EVALUATION SCOPE****Compliance with the following codes:**

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

**Properties evaluated:**

- Physical properties
- Structural
- Durability
- Noncombustibility
- Fire resistance

**2.0 USES**

PermaLath is used as reinforcement for the BASF Construction Chemicals, LLC, cementitious exterior wall coating system recognized in [ESR-1064](#).

**3.0 DESCRIPTION**

PermaLath is an open-weave, three-dimensional, self-furring lath, formed from glass fibers. PermaLath has a nominal thickness of  $\frac{1}{8}$  inch (3.2 mm) and weighs 4.01 oz/yard<sup>2</sup> (136 g/m<sup>2</sup>), and is supplied in 39-inch-by-150-foot (990.6 mm by 45.72 m) rolls.

**4.0 INSTALLATION**

The lath must be installed with a minimum 3-inch (76 mm) overlap at vertical and horizontal edges and must overlap over the flange of trim accessories. The lath must be applied flat and must be free of ripples, wrinkles, etc.

The lath must be attached to steel studs using No. 6,  $1\frac{1}{4}$ -inch-long (31.8 mm), Type S, self-drilling, 0.32-inch-diameter (8.1 mm), corrosion-resistant, coated bugle head screws or  $1\frac{1}{4}$ -inch-long-by-0.10-inch-diameter (32 by 2.5 mm) VersaPIN fasteners manufactured by Aerosmith Fastening Systems, and  $1\frac{1}{4}$ -inch-diameter (31.75 mm), Wind-Lock Lath-Plates spaced 6 inches (152.4 mm) on center along studs and track. The lath must be attached to wood studs with minimum 1-inch-crown-by-1-inch-long (25.4 mm by 25.4 mm), No. 16 gage, galvanized metal staples placed every 6 inches (152 mm) along wood studs and plates and at lath overlaps between studs. When

installation is over foam plastic insulation, the length of the fastener must be increased proportionally.

The BASF Construction Chemicals, LLC, Cementitious Exterior Wall Covering System must be installed in accordance with [ESR-1064](#) except as follows:

- Steel and wood framing must be limited to a maximum spacing of 16 inches (406 mm) on center.
- Installation must be over solid substrates.

**4.1 Noncombustible Construction:**

PermaLath embedded into StuccoBase cementitious exterior wall coating ([ESR-1064](#)) is considered noncombustible in accordance with Section 703.4 of the IBC.

**5.0 CONDITIONS OF USE**

The PermaLath glass fiber lath 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** The materials and methods of installation must comply with this report, the manufacturer's published installation instructions and the applicable code. In the event of a conflict between instructions of the manufacturer and the requirements of this report, this report governs.
- 5.2** The maximum allowable positive and negative wind loads on the system incorporating PermaLath glass fiber lath with steel studs spaced at a maximum of 16 inches (406 mm) on center are 23 psf (1.1 kPa) and 21 psf (1.0 kPa), respectively. The maximum allowable positive and negative wind loads on the system incorporating PermaLath glass fiber lath with wood studs spaced at a maximum of 16 inches (406 mm) on center are 23 psf (1.1 kPa) and 30 psf (1.4 kPa), respectively.
- 5.3** The use of this system is limited to Type V-B construction under the IBC and to buildings constructed under the IRC, except as noted in Section 4.1 for noncombustible construction and in Section 4.2.4 of [ESR-1064](#) for a one-hour fire-resistance-rated wall assembly.
- 5.4** Use of the glass fiber lath is limited to the assembly described in [ESR-1064](#).

**6.0 EVIDENCE SUBMITTED**

- 6.1** Data in accordance with the ICC-ES Acceptance Criteria for Glass Fiber Lath Used in Cementitious Exterior Wall Coatings or Exterior Cement Plaster (Stucco) (AC275), dated June 2007.

**7.0 IDENTIFICATION**

Each roll of PermaLath must be identified by a label bearing the company name (BASF Construction chemicals, LLC), roll dimensions, and the ICC-ES evaluation report number (ESR-1511).