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DIVISION: 09—FINISHES**Section: 09205—Furring and Lathing****REPORT HOLDER:**

BASF WALL SYSTEMS INC.
3550 ST. JOHNS BLUFF ROAD SOUTH
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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

2.0 USES

PermaLath is used as reinforcement for the BASF Wall Systems cementitious exterior wall coating system recognized in ESR-1064.

3.0 DESCRIPTION

PermaLath is an open-weave, three-dimensional lath, formed from glass fibers. PermaLath has a nominal thickness of $\frac{1}{8}$ inch (3.2 mm) and weighs 4.01 oz/yard² (136 g/m²), and is supplied in 39-inch-by-150-foot (990.6 mm by 45.72 m) rolls.

4.0 INSTALLATION

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

The lath shall 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 and $1\frac{1}{4}$ -inch-diameter (31.75 mm), flat-lock Wind-Lock plates spaced 6 inches (152.4 mm) on center along studs and track. The lath shall be attached to wood studs with $\frac{3}{4}$ -inch-crown-by-1-inch-long (19.1 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 shall be increased proportionally.

The lath shall be furred a minimum of $\frac{1}{8}$ inch (3.2 mm) at 6-inch (152.4 mm) intervals in each direction. The BASF Wall Systems, Inc., Cementitious Exterior Wall Covering System shall be installed in accordance with ESR-1064 except as follows:

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

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 shall 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 shall govern.
- 5.2** The maximum allowable positive and negative wind loads on the system incorporating PermaLath glass fiber lath with steel studs and wood studs spaced at a maximum of 16 inches (406 mm) on center is 20.7 psf (0.99 kPa) and 54.0 psf (2.60 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 4.2.4 of ESR-1064.
- 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 Evaluation Guideline for Glass Fiber Lath Used in Exterior Cementitious Wall Coatings (EG275), dated December 2004.
- 6.2** Data in accordance with the ICC-ES Acceptance Criteria for Cementitious Exterior Wall Coatings (AC11), dated February 2006.

7.0 IDENTIFICATION

Each roll of PermaLath shall be identified by a label bearing the company name (BASF Wall Systems, Inc.), roll dimensions, and the ICC-ES evaluation report number (ESR-1511).