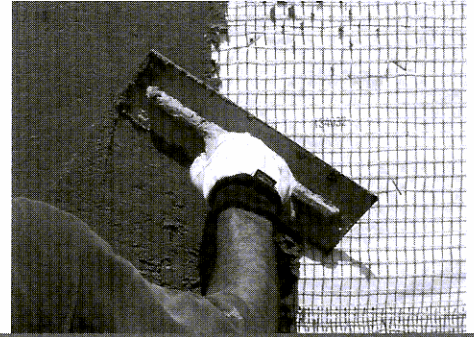




The Chemical Company



# BASF Wall Systems, Inc. | PermaLath™ 1000

PRODUCT BULLETIN 1032008

**Description** Open weave, three-dimensional, self-furring, nominal 1/4" thick glass fiber reinforcing lath. Patent Pending.

**Uses** A component of a cementitious exterior wall coating application at a minimum of 1/2" or 3/4" - 7/8" thick exterior Portland cement plaster (traditional stucco) application that provides keying and continuous reinforcement for stucco used on vertical wall applications with solid backing. May also be used as a mortar base for light-weight veneer facing products such as Cultured Stone®. Not for use on soffits or open framing.

**Technical Support** Consult the BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the BASF Wall Systems web site, [www.BASFWallSystems.com](http://www.BASFWallSystems.com) for additional information and for updated literature.

**Technical Data**

Weave	Leno
Weight	294 g/m (8.8 oz/yard) ±5%
Min. Tensile Strength	59 kg/cm (330 lb/inch)
Color	Gray

**Packaging** 39" x 150 lineal feet roll in poly bag, 14 kg (31 lbs.) per roll.

**Features & Benefits**

Features	Benefits
Non metallic	Will not rust
Pliable, with no sharp edges	Easier and safer to handle and cut
Non-directional	Can be applied vertically or horizontally
Wide rolls	Fewer overlaps required to give better coverage
Three-dimensional profile	Self-furring, excellent mechanical key using traditional fastening procedures
Alkali resistant	Long-term durability and performance
Packaged in light-weight rolls	Application time/labor savings

**Application**

General: Apply PERMALATH 1000 in accordance with Specifications and the following:

- A.** Acceptable substrates include Cement Board (ASTM C1325 Type A Exterior), Gypsum Sheathing (ASTM C79/C1396 or C1177), exposure 1 or better exterior grade plywood, exposure 1 OSB, poured concrete or unit masonry. Apply/install substrate per the manufacturer's instructions and applicable building codes. Not for use over open framing.
- B.** Secondary moisture protection barrier (Not required on unit masonry/non-insulated concrete substrates surfaces to receive the cement plaster stucco).
  - 1.** Over wood or metal framing with sheathing, a weather resistive barrier must be installed. When installed over wood based sheathing (plywood or OSB), two layers of grade "D" building paper complying with federal specification UUB 790 are required by UBC or one layer of Grade D 60 minute paper with one layer of EPS or extruded polystyrene board with tongue and grooved edges, prior to installation of PERMALATH 1000. Other acceptable secondary moisture protection barriers include polymeric weather resistive barriers such as Tyvek® Stuccowrap® and acceptable equals that comply with and are recognized by local building codes. Trowel/roller applied weather barriers can be used provided a subsequent layer of a polymeric weather resistive barrier such as Tyvek Stuccowrap or grade "D" building paper is applied over the trowel/roller applied weather barrier.
  - 2.** Install the secondary moisture protection barrier over the substrate according to manufacturer's specifications and applicable building code requirements.
  - 3.** The secondary moisture protection barrier shall be free of any damage such as holes or breaks, and must be applied to all surfaces to receive the cement plaster stucco.
  - 4.** Wrap the secondary moisture protection barrier into rough openings (doors, windows, etc.) to increase the level of protection to the building frame and interior.
  - 5.** Coordinate work with other trades to assure proper sequencing, detailing and installation of materials.
- C.** Expanded polystyrene insulation board (optional)
  - 1.** The expanded polystyrene insulation board (2'x 8' nominal 1.5 PCF density, tongue and groove) shall be placed horizontally with the tongue facing upward and temporarily held in place with galvanized staples, roofing nails or (metal framing) self tapping screws.
- D.** Trim
  - 1.** Install trim accessories per drawings and specification.
- E.** PERMALATH 1000
  - 1.** Apply PERMALATH 1000 over substrate with minimum 3" overlap at vertical and horizontal edges and overlap on flange of trim accessories. PERMALATH 1000 can be applied horizontally or vertically and should be applied such that it is flat and free of ripples, wrinkles, etc.
  - 2.** Fasteners: ULP-302 (1 3/4") or Lath Plate (1 1/4") Mechanical Fastening Systems by Wind-Lock Corp.
    - a.** Masonry: masonry type [M] expansion fastener with ULP 302 diameter washer; or lath plate 25 mm (1") minimum penetration into masonry. Fastener spacing 6" o.c. vertically and 16" o.c. horizontally.
    - b.** Light Gauge Steel Framing/Furring (20 Gauge): light metal type [LM] bugle head screws with ULP 302 (1 3/4") diameter washer or lath plate 16 mm (5/8") minimum penetration into framing 6" o.c. vertically and 16" o.c. horizontally
    - c.** Heavy Gauge Steel Framing (18 to 12 Gauge maximum): metal type [S] bugle head screws with ULP 302 (1 3/4") diameter washer or lath plate; 16 mm (5/8") minimum penetration to framing 6" o.c. vertically and 16" o.c. horizontally.
    - d.** Wood framing: wood type [W] bugle head screws with ULP 302 (1 3/4") diameter washer or Lath Plate; 16 mm (5/8") minimum penetration into framing or minimum 16 gauge wire staples with minimum 3/4" crown and minimum 3/4" penetration into framing.
 

**Notes:** Supplemental fasteners, into the framing or sheathing, can be used to secure the PERMALATH 1000 prior to application of cement plaster stucco. Fastening systems/tools for staples are available through Senco ([www.senco.com](http://www.senco.com)) and other manufacturers.
  - 3.** Apply cement plaster stucco within 60 days of PERMALATH 1000 application.
- F.** Cementitious Exterior Wall Coating (ICC AC-11)
  - 1.** Install per manufacturer's specifications, details and evaluation report to a minimum thickness of 1/2"

- G.** Exterior Cement Plaster Stucco
  - 1.** Install per Specifications and Details. Maximum plaster thickness is 7/8".
- H.** Veneer facing mortar
  - 1.** Install per Specifications, Details and veneer facing manufacturer's specifications.

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- A.** Protect PERMALATH 1000 during transportation and installation to avoid physical damage.
- B.** Store PERMALATH 1000 in an upright position in a cool, dry place protected from exposure to moisture. Protect from extreme heat and direct sunlight.

**itations**

- A.** Not for use on soffits or open framing.
- B.** Maximum Portland cement plaster stucco or mortar thickness of 7/8".
- C.** Maximum allowable weight of veneer facing products is 15 lbs. per square foot.