



We create chemistry

PermaLath® 1000

Glass fiber reinforcing lath

Product Bulletin

PACKAGING

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

TECHNICAL SUPPORT

Consult our Technical Services Department for specific recommendations concerning all other applications. Consult the Wall Systems web site, www.wallsystems.basf.com for additional information and for updated literature.

NOTE

BASF Wall Systems is an operating unit of BASF Corporation (herein referred to as "BASF Wall Systems").

SHIPPING & HANDLING

- 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.

DESCRIPTION

Open weave, three-dimensional, self-furred, nominal 6.3mm (1/4") thick glass fiber reinforcing lath designed for use with StuccoBase by BASF Wall Systems or with field mix exterior cement plaster conforming to ASTM C926 in "scratch and brown" applications. Listed in CCR 0249. Complies with the performance requirements of ASTM C1788 (per the test methods in ASTM C1764) and the installation requirements of ASTM C1787. U.S. Patents 7,625,827 and 7,902,092.

USES

A component of a 13mm to 22mm (1/2" to 7/8") thick cementitious exterior wall coating application of 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 precast stone veneer (ASTM C1780). Not for use on soffits or open framing.

Note: PermaLath 1000 may also be used with StuccoBase by BASF Wall Systems or other cementitious exterior wall coatings manufactured in accordance with ICC-ES AC-11 at a thickness of 13mm (1/2").

Technical Data	
Weave	Leno
Weight	294 g/m (8.8 oz/yard) ±5%
Min. Tensile Strength	
Warp	59 kg/cm (330 lb/inch)
Weft	57.9 kg/cm (324 lb/inch)
Color	Gray

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. Water-Resistive Barrier
 1. Not required on unit masonry or concrete substrates to receive the cement plaster stucco.
 2. 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 are required by IBC prior to installation of PERMALATH 1000. Other acceptable water-resistive barriers include polymeric water-resistive barriers such as Tyvek® Stuccowrap® and acceptable equals that comply with and are recognized by local building codes. Trowel/roller applied water-resistive barriers can be used provided a subsequent layer of building papers or a polymeric water-resistive barrier such or building paper is applied over the trowel/roller applied weather barrier to act as a slip sheet.
 3. Install the water-resistive barrier over the substrate according to manufacturer's specifications and applicable building code requirements.
 4. The water-resistive 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.
 5. Wrap the water-resistive barrier into rough openings (doors, windows, etc.) to increase the level of protection to the building frame and interior.
 6. Coordinate work with other trades to assure proper sequencing, detailing and installation of materials.
- C. Trim
 1. Install trim accessories per drawings and specification and ASTM C1063.
- D. 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 or 32 mm (1 1/4") long x 2.5 mm (1/8") diameter VersaPin Gripshank® fasteners by Aersmith Fastening Systems with Lath Plates; 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, 6" o.c. vertically and 16" o.c. horizontally.

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) and other manufacturers.
 3. Apply cement plaster stucco within 60 days of PERMALATH 1000 application.
- E. Exterior Cement Plaster Stucco (ASTM C926) or Cementitious Exterior Wall Coating (ICC-ES AC-11)
 1. Install per Specifications and Details
- F. Veneer facing mortar
 1. Install per Specifications, Details and veneer facing manufacturer's specifications.

LIMITATIONS

- A. Not for use on soffits or open framing.
- B. Minimum thickness of 1/2" when STUCCOBASE or other cementitious exterior wall coating is installed in accordance with ICC-ES-AC-11.
- C. Maximum allowable weight of adhered veneer facing products is 24 lbs. per square foot (includes veneer weight and mortar scratch and bed coat).

WARRANTY

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Product Bulletin, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. **BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS.** The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of BASF. In the absence of an extended warranty issued by BASF, any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. **BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.**

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