



The Chemical Company



BASF Wall Systems | PermaLath® 1000

PRODUCT BULLETIN 1032008

Description

Open weave, three-dimensional, self-furred, nominal 1/4" thick glass fiber reinforcing lath designed for use with StuccoBase by BASF Construction Chemicals, LLC - Wall Systems (herein after referred to as "BASF Wall Systems" or with field mix exterior cement plaster conforming to ASTM C926 at a minimum thickness of 3/4" in "scratch and brown" applications. Listed in ICC-ESR-2429. Patent Pending.

Uses

A component of a 1/2" to 3/4" 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. 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 1/2".

Technical Support

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

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

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 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 are required by IBC 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.** Trim
 - 1.** Install trim accessories per drawings and specification.
- 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 (.10") diameter VersaPin Gripshank® fasteners by Aerosmith 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.

**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.

Limitations

- A. Not for use on soffits or open framing.
- B. Minimum thickness of 1/2" when STUCCOBASE or other cementitious exterior coating manufactured in accordance with ICC-ES-AC-11.
- C. Maximum allowable weight of veneer facing products is 15 lbs. per square foot.

Warranty

BASF Construction Chemicals, LLC, through its Wall Systems Division ("BASF Wall Systems"), warrants that this Product, if used and applied in accordance with BASF Wall System's recommendations set forth, will be free from defects in material for a period of one (1) year from the date of original purchase. BASF Wall Systems will replace or, at BASF Wall Systems' election, refund the purchase price of any portion of this Product proved to be defective. Satisfactory results depend not only upon quality of the Product but also upon factors beyond our control. Except as expressly stated herein, BASF WALL SYSTEMS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF ANY KIND WHATSOEVER CONCERNING THE PRODUCT. BASF WALL SYSTEMS EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BASF WALL SYSTEMS ALSO EXPRESSLY DISCLAIMS, AND WILL NOT BE RESPONSIBLE FOR, ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. BASF Wall Systems will have no liability if the problem with the Product or apparent defect is attributable to misuse, improper installation or application, alteration or mishandling of the Product. Any claim arising from an alleged Product defect must be received by BASF Wall Systems in writing within thirty (30) days of the date of discovery of the alleged defect or one (1) year from the date of original purchase, whichever is sooner. No claim will be processed or considered unless BASF Wall Systems receives written notice of such claim within the time limitations stated above. User is fully responsible for determining the suitability of the Products for the intended use and assumes all risks and liability in connection therewith. Any authorized change in printed recommendations concerning the use of this Product must bear the signature of the BASF Wall Systems Technical Service Manager.

Manufacturer

Permalath™ is manufactured exclusively for BASF Wall Systems by Saint-Gobain Technical Fabrics America, Inc.

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BASF Wall Systems

3550 St. Johns Bluff Road South
Jacksonville, FL 32224-2614
Phone 800 • 221 • 9255
Fax 904 • 996 • 6300
www.wallsystems.basf.com