

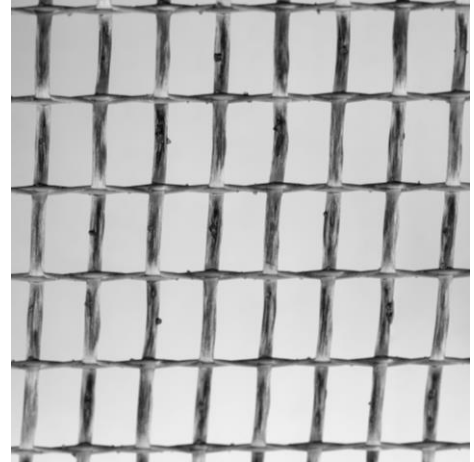
FibaLath®

Non-Metallic, Fiberglass Lath

Use and Description

FibaLath is a non-metallic, fiberglass lath which, like metal lath, functions as a plaster base in nominal 3/8" to 1/2" thick One Coat Stucco, Traditional Stucco (ASTM C 926), and Adhered Manufactured Stone Masonry Veneer (AMSV).

FibaLath features a three-dimensional design that is self furring and non-directional which enables it to be applied vertically or horizontally on all types of buildings. It is supplied in wide, lightweight rolls that are easy to handle, cut, and install with fewer overlaps. FibaLath will not rust. Lathing accessories including casing beads, corner beads, control and expansion joints, weep screeds, etc. are used and installed with FibaLath as they are with metal lath.



Transportation, Handling, and Storage

Protect during transportation and handling to avoid damage. FibaLath should be stored upright and indoors or protected from weather extremes (heat, moisture, etc.) prior to installation.

Installation Guidelines

General Application

For use over substrates such as poured concrete, CMU, and wood or steel framing with sheathing such as gypsum, Oriented Strand Board (OSB), plywood, cement board, structural sheathings, etc. Prior to FibaLath installation, confirm compliance with all applicable building code requirements including water resistive barriers.

Lathing Accessories

Lathing accessories such as corner beads, casing beads, control joints, weep screeds, etc. shall comply with the lathing accessory requirements specified in ASTM C 1861 and installed per ASTM C 1063.

FibaLath

Cut to convenient, workable length with scissors, shears, or utility knife. Install in a continuous manner vertically or horizontally with minimum 3" side and end overlaps. Stagger ends of adjoining pieces in a running bond pattern. Integrate and overlap FibaLath with flange of lathing accessories. FibaLath should be flat and free of wrinkles.



Installation Guidelines

Attachment – wood framing

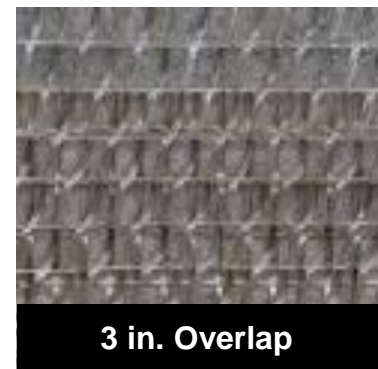
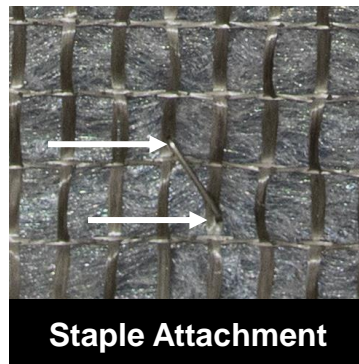
Fasten to framing not more than 7" o.c. vertically and 16" o.c. horizontally with minimum 16 gauge, 3/4" crown staples or corrosion resistant screws and washers. Fasteners shall penetrate wood framing minimum 3/4" and engage not less than two strands of FibaLath.

Attachment – steel framing

Fasten to framing not more than 7" o.c. vertically and 16" o.c. horizontally with corrosion resistant screws and washers. Fasteners shall penetrate framing minimum three threads of fastener and engage not less than two strands of FibaLath.

Attachment – concrete and concrete masonry units (CMU)

Fasten to framing not more than 7" o.c. vertically and 16" o.c. horizontally with corrosion resistant masonry, power, or powder actuated fasteners and washers. Fasteners shall penetrate concrete or concrete masonry 3/4" minimum and engage not less than two strands of FibaLath.



Limitations

Not for use on open framing. Contact Saint-Gobain ADFORS regarding horizontal ceiling applications.

Resources and Additional Information

International Building, Residential (IBC/IRC) and Florida Code (FBC) compliance on combustible, non combustible, and fire resistive construction (Types 1 through 5)

Intertek Code Compliance Research Report CCRR-0249

ASTM Standards

Specification, Installation and Test Methods for Non Metallic Plaster Bases (Lath) – C 1787, C1788 and C 1764

Application of Portland Cement Plaster (Stucco) – C 926

Installation of Adhered Manufactured Masonry Stone Veneer (AMSV) – C 1780

Specification of Lathing Accessories for Portland Cement Based Plaster – C 1861

Installation of Lathing and Furring to Receive Portland Cement Based Plaster – C 1063

ICC Evaluation Services (ICC ES)

AC 11 Acceptance Criteria for Cementitious Exterior Wall Coatings (One Coat Stucco)

TECHNICAL DATA SHEET

General Description

FibaLath is an innovative fiberglass lath designed for use in stucco applications, and exterior/interior walls of manufactured stone and brick façades. The three dimensional profile of FibaLath is self-furring and is attached the same way as metal lath. The non-directional design can be applied either vertically or horizontally. Using FibaLath results in >75% weight savings (per unit area) compared to 2.5# metal lath sheets.

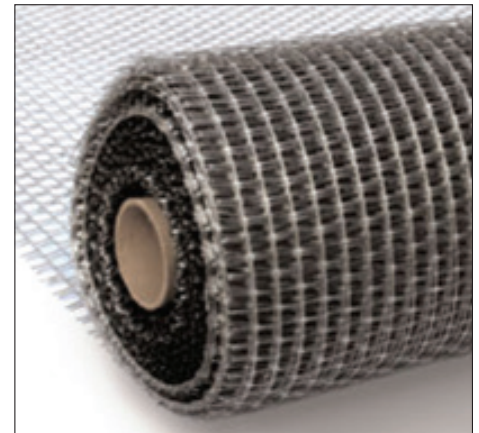
FibaLath meets International Building Code® (IBC) and International Residential Code® (IRC) requirements (Intertek Code Compliance Research Report CCRR-0249).

Technical Characteristics

| PROPERTY | IMPERIAL | METRIC | TESTING |
|----------------|-------------------------|-------------------------|-------------|
| SG ADFORS Code | FLX0052 910/1000/240 | FLX0052 910/1000/240 | |
| Color | Gray | Gray | |
| Construction | | | |
| Warp | 1.3 yarns/inch | 5.0 yarns/10 cm | ASTM D-3775 |
| Weft | 2.0 yarns/inch | 7.9 yarns/10 cm | ASTM D-3775 |
| Weight | 8.8 oz/yd ² | 300.0 g/m ² | ASTM D-3776 |
| Thickness | 0.22 per inch | 5.50 per mm | ASTM D-1777 |
| Weave | Leno | Leno | |
| Finish | Alkali resistant | Alkali resistant | |
| Min. Tensile | | | |
| Warp | 430 lb/in | 1900 N/2.54 cm | ASTM D-5035 |
| Weft | 310 lb/in | 1375 N/2.54 cm | ASTM D-5035 |

Properties

- Patented self-furring, three dimensional profile is attached the same way as metal lath
- Lightweight, pliable, & cuts easily with utility knife or shears
- Alkali-resistant - will not rust or rot



Edited by:
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Technical Data Sheet
Last update: 04/13/18

DIVISION: 09 00 00 – FINISHES
Section: 09 22 36 –Lath

REPORT HOLDER:

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REPORT SUBJECT:

Master Builders Solutions Construction Systems US LLC

PERMALATH® 1000 GLASS FIBER LATH

Saint-Gobain ADFORS America, Inc.

FIBALATH™ GLASS FIBER LATH

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes (see Table 1):

- 2021, 2018 and 2015 *International Building Code*® (IBC)
- 2021, 2018 and 2015 *International Residential Code*® (IRC)
- 2020 *Florida Building Code* excluding High Velocity Hurricane Zones (see Section 8)

Note: 2020 Florida Building Code Sections are the same as the 2018 International Building Code.

1.2 The PermaLath® 1000 and FibaLath™ Glass Fiber Laths have been evaluated for the following properties (see Table 1):

- Wind resistance
- Durability
- Fire resistance
- Non-combustibility
- Use in Types I, II, III, IV and V Construction

1.3 The PermaLath® 1000 and FibaLath™ Glass Fiber Laths have been evaluated for the following uses:

- Reinforcement for exterior cement plaster
- Master Builders Solutions StuccoBase cementitious wall covering
- SPEC MIX FIBER BASE COAT (FBC)
- Exterior cement plaster supporting precast stone veneer

2.0 STATEMENT OF COMPLIANCE

The PermaLath® 1000 and FibaLath™ Glass Fiber Laths comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2 and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 5.0.

3.0 DESCRIPTION

3.1 Glass Fiber Lath:

PermaLath® 1000 and FibaLath™ are open-weave, three dimensional laths, formed from glass fibers. The lath has a nominal thickness of 1/4 inch, weighs 8.8 oz/yard² and is supplied in 39-inch-wide by 150-foot-long rolls.

3.2 Exterior Wall Coverings:

This report recognizes use of PermaLath® 1000 and FibaLath™ with the following exterior wall coverings:

- Master Builders Solutions StuccoBase cementitious wall covering recognized in CCRR-0230;
- SPEC MIX FIBER BASE COAT (FBC) cementitious wall covering recognized in CCRR-0231;



- Exterior cement plaster supporting precast stone veneer recognized in a current research or evaluation report as complying with ICC-ES AC51; and
- Exterior cement plaster (stucco) conforming to ASTM C926.

3.3 Substrates:

Substrates must be:

- Minimum 7/16-inch-thick, Exposure 1, oriented strand board (OSB) complying with U.S. DOC PS-2;
- Minimum 7/16-inch-thick, Exterior or Exposure 1 plywood complying with U.S. DOC PS-1 or PS-2; or
- Minimum 1/2-inch-thick water-resistant core gypsum sheathing board complying with ASTM C1396 or ASTM C1177.

4.0 INSTALLATION

4.1 General:

The PermaLath® 1000 and FibaLath™ Glass Fiber Laths must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

The lath must be attached as described in Tables 2 and 3.

Exterior cement plaster must be proportioned, mixed, and installed in accordance with ASTM C926, and must have a minimum thickness of 3/4 inch.

StuccoBase and SPEC MIX FIBER BASE COAT (FBC) exterior wall coverings must be installed in accordance with the applicable evaluation report and as follows:

- The coating must have a minimum thickness of 1/2 inch.
- Installation is limited to the assemblies described in this report.

Precast stone veneer must be recognized in a current evaluation report as complying with ICC-ES AC51, where the PermaLath® 1000 or FibaLath™ is permitted in lieu of metal lath.

4.2 Resistance to Windloads:

The maximum allowable positive and negative wind loads on exterior wall systems incorporating PermaLath® 1000 or FibaLath™ glass fiber laths are noted in Table 2.

4.3 One-hour Fire-resistance-rated Wall Assemblies:

Fire-resistance-rated wall assemblies incorporating PermaLath® 1000 or FibaLath™ laths must conform with the assemblies described in Tables 3 and 4.

4.4 Exterior Walls in Types I, II, III and IV Construction:

4.4.1 Assemblies Without Foam Plastic Insulation: PermaLath® 1000 or FibaLath™ embedded into exterior cement plaster complying with the code, Master Builders Solutions StuccoBase cementitious exterior wall coating or SPEC MIX FIBER BASE COAT (FBC) cementitious exterior wall coating is considered noncombustible in accordance with Section 703.3 of the IBC.

4.4.2 Assemblies Incorporating Foam Plastic Insulation: Assemblies incorporating foam plastic insulation must be as described in Table 5.

5.0 CONDITIONS OF USE

5.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

5.2 Design loads for the exterior wall covering systems described in this report must be determined in accordance with the applicable code and must not exceed the allowable wind loads described in Table 2 of this report. The framing and sheathing must be designed and installed in accordance with the applicable code.

5.3 Use in one-hour fire-resistance-rated wall assemblies must be as described in Section 4.3 and Table 3.

5.4 Use on exterior walls of Type I, II, III or IV construction must be as described in Section 4.4 and Table 4.

5.5 When used as a component of a precast stone veneer system, use of the PermaLath® 1000 or FibaLath™ glass fiber lath must be acceptable to the manufacturer of the precast stone veneer system.



Intertek

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intertek.com/building



PCA-101



5.6 The lath is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

6.0 SUPPORTING EVIDENCE

6.1 Reports of tests in accordance with ASTM E119-12a (18b), ASTM E136-12 (-19), NFPA 268-12 (-19), NFPA 285-12 (19).

6.2 Data in accordance with the ICC-ES AC275, Acceptance Criteria for Glass Fiber Lath Used in Cementitious Exterior Wall Coatings or Exterior Cement Plaster (Stucco), dated April 2011, editorially revised August 2013.

6.3 Third-party engineering analysis of ASTM E119 and NFPA 285 assemblies.

6.4 Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report.

7.0 IDENTIFICATION

Each roll of PermaLath® 1000 and FibaLath™ is identified by a label bearing the company name, roll dimensions, the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0249).



8.0 FLORIDA BUILDING CODE

8.1 Scope of Evaluation:

PermaLath® 1000 and Saint-Gobain FibaLath™ were evaluated for compliance with the 2020 Florida Building Code – Building and Florida Building Code – Residential.

8.2 Conclusion:

PermaLath® 1000 and Saint-Gobain FibaLath™ glass fiber laths, described in Sections 2.0 through 6.0 of this Research Report, comply with the 2020 Florida Building Code – Building and Florida Building Code – Residential, subject to the following conditions:

- Use of PermaLath® 1000 or FibaLath™ glass fiber lath for compliance with the High-Velocity Hurricane Zone provisions of the 2020 Florida Building Code – Building and the Florida Building Code – Residential has not been evaluated and is outside the scope of this Research Report.
• Intertek is an approved evaluation entity and quality assurance entity pursuant to Florida Statute 553.842 – Product Evaluation and Approval

9.0 CODE COMPLIANCE RESEARCH REPORT USE

9.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

9.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

9.3 Reference to the https://bpdirectory.intertek.com is recommended to ascertain the current version and status of this report.

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TABLE 1 – PROPERTIES EVALUATED

| PROPERTY | IBC | IRC |
|--|--------------|----------------|
| Wind resistance | 104.11, 1609 | R301.2.1 |
| Durability | 104.11 | 104.11 |
| Fire resistance | 703.2 | R302 |
| Noncombustibility | 703.3 | Not applicable |
| Use on walls in Types I, II, III and IV Construction | 2603.5 | Not applicable |

TABLE 2 – ALLOWABLE WIND LOADS

| FRAMING | SHEATHING ¹ | LATH ATTACHMENT | EXTERIOR WALL COVERING | ALLOWABLE WIND LOADS (psf) | |
|---|---------------------------------------|---|--|---|----------|
| | | | | Positive | Negative |
| 2 x 4 wood studs, min. 0.42 specific gravity, max. 16" o.c. | Min. 7/16 in. OSB or 7/16 in. plywood | 3/4 in. crown x 1-1/4 in., No. 16 ga. staples, spaced at 6 in. o.c., fastened into framing | Exterior cement plaster complying with ASTM C926 – 3/4 in. thick | 54 | 41 |
| | | | StuccoBase or SPEC MIX – 1/2 in. thick | 23 | 30 |
| | | | Precast stone veneer ² | Per the research report on the stone veneer | |
| No. 20 gage steel, max. 16 in. o.c. | Min. 1/2 in. gypsum sheathing | #6 x 1-1/4 in. Type S, 0.32-in-dia. head screws, Or 1-1/4 in. by 0.10-in. dia. VersaPIN Gripshank fasteners, With 1-1/4 in. Wind-Lock Lath Plates (legless), spaced 6 in. o.c., fastened into framing | Exterior cement plaster complying with ASTM C926 – 3/4 in. thick | 51 | 21 |
| | | | StuccoBase or SPEC MIX – 1/2 in. thick | 23 | 21 |
| | | | Precast stone veneer ² | Per the research report on the stone veneer | |

¹Sheathing must comply with, and be installed in accordance with, the code.

²Precast stone veneer must comply with ICC-ES AC51



TABLE 3 – ONE-HOUR FIRE-RESISTANCE-RATED ASSEMBLIES WITHOUT FOAM PLASTIC INSULATION

| ASSEMBLY | INTERIOR | FRAMING | SHEATHING | LATH ATTACHMENT | COATING |
|-------------------------------------|--|---|---|---|----------------------------------|
| Nonload Bearing | Min. 5/8 in. Type X gypsum sheathing installed vertically with #6 x 1 in., screws spaced 8 in. o.c. on perimeter and 12 in. o.c. on intermediate studs, joints must be backed by framing, joints and nail heads must be treated per ASTM C840 or GA216 | Min. No. 20 gage steel, max. 16 in. o.c. | Min. 5/8 in. Type X gypsum sheathing installed horizontally with #6 x 1-1/4 in. screws spaced 8 in. o.c.; weather-resistant barrier applied over sheathing | PermaLath® 1000 or FibaLath™ attached per Table 2 | StuccoBase or SPEC MIX – 1/2 in. |
| Nonload Bearing | Min. 5/8 in. Type X gypsum sheathing installed vertically with #6 x 1 in., screws spaced 8 in. o.c. on perimeter and 12 in. o.c. on intermediate studs, joints must be backed by framing, joints and nail heads must be treated per ASTM C840 or GA216 | Min. No. 20 gage steel, max. 16 in. o.c. | Min. 5/8 in. Type X gypsum sheathing installed horizontally with #6 x 1-1/4 in. screws spaced 8 in. o.c.; weather-resistant barrier applied over sheathing | PermaLath® 1000 or FibaLath™ attached per Table 2 | ASTM C926 – 3/4 in. |
| Limited Load Bearing ^{1,2} | Min. 5/8 in. Type X gypsum sheathing installed vertically with 1-7/8 in., 0.0975 in. dia., cuphead drywall nails, spaced 8 in. o.c., joints must be backed; joints and nail heads must be treated per ASTM C840 or GA216 | Min. 2 x 4 wood, max. 16 in. o.c., R-11 kraft-faced fiberglass in stud cavities | Min. 7/16 in. OSB installed horizontally with 6d sinker nails spaced at 8 in. o.c.; two layers of water-resistant barrier applied over sheathing per IBC Section 2510.6 or IRC Section R703.6 | PermaLath® 1000 or FibaLath™ attached per Table 2 | ASTM C926 – 3/4 in. |

¹Axial Design: Axial loads applied to the wall assembly shall be limited to the lesser of the following:

- 1,100 pounds per stud
- A maximum of 47.5% of the load calculated in accordance with Sections 3.6 and 3.7 of the ANSI/AF&PA NDS
- Design stress of $0.78 F'_c$ calculated in accordance with Sections 3.6 and 3.7 of the NDS
- Design stress of $0.78 F'_c$ calculated at a maximum l_e/d of 33 calculated in accordance with Sections 3.6 and 3.7 of the NDS

² Exterior walls shall have a minimum fire separation distance of 5 feet (1524 mm) in accordance with IBC Section 705.5

**TABLE 4 – ONE-HOUR NONLOAD-BEARING FIRE-RESISTANCE-RATED ASSEMBLIES INCORPORATING FOAM PLASTIC INSULATION**

| WAL COMPONENT | MATERIALS |
|---|--|
| Interior gypsum board | Minimum 5/8-inch-thick Type X gypsum board complying with ASTM C1396, installed vertically and attached to framing using minimum #6 by 1-1/4-inch self-tapping drywall screws at 8 in. o.c. on top and bottom tracks and 12 in. o.c. on each stud. All joints and fasteners require a Level 2 finish |
| Steel framing | Minimum 3-5/8-inch-deep, minimum No. 20 gage steel studs spaced a maximum of 24 in. o.c. |
| Wall cavity insulation – use 1, 2 or 3 | 1 – none 2 – fiberglass batt insulation (faced or unfaced) 3 – mineral wool insulation (faced or unfaced) |
| Exterior sheathing | Minimum 5/8-inch-thick Type X gypsum board complying with ASTM C1396 or ASTM C1177, installed vertically and attached to framing with No. 6 by 1-1/4-inch self-tapping screws spaced 8 in. o.c. around the perimeter and in the field. |
| Water-resistive barrier – use 1, 2, 3, 4 or 5 | 1 – one layer of No. 15 felt complying with ASTM D226, Type I 2 – MasterSeal AWB 660, Senersshield-R, Finestop-RA, or Acrostop R – MasterSeal AWB 660 I, Senersshield-VB or Finestop-VB 4 – Grade D building paper recognized in a current evaluation report 5 – Tyvek Commercial Wrap (ICC-ES ESR-2375) |
| Continuous insulation – use 1 or 2 | 1 – expanded polystyrene (EPS) foam plastic insulation complying with ASTM C578, Type II, max. 2-1/2 inches thick 2 – BASF Neopor EPS insulation, recognized in ICC-ES ESR-3463, max 2-1/2 inches thick Insulation installed in running bond pattern and attached to framing with two #8 by 4-inch ITX Buildex screws and 1-1/4-inch diameter Wind-Lock Lath-Plate Fasteners (legless) (Part no. SP114WLF) (or equivalent) spaced 7 in. o.c. |
| Lath | PermaLath® 1000 or FibaLath™ glass fiber lath installed horizontally over insulation with minimum 3-inch overlaps at horizontal edges and attached to framing with #8 by 4-inch ITW Buildex screws and 1-1/4 in. Wind-Lock Lath-Plates (legless) (Part No. SP114WLF) (or equivalent), spaced 7 in. o.c. |
| Exterior wall covering | Minimum 1/2-inch-thick StuccoBase or SPEC MIX |
| Finish | Any acrylic or cement-based finish or coating material applied over the stucco surface per manufacturer's instructions |



TABLE 5 – EXTERIOR WALLS IN TYPES I, II, III AND IV CONSTRUCTION

| WALL COMPONENT | MATERIALS |
|--|--|
| Base wall system – use 1, 2 or 3 | 1 – concrete wall 2 – concrete masonry wall 3 – one layer of 1/2-inch thick regular or Type X gypsum board on interior, installed horizontally or vertically over minimum 3-5/8 inch, No. 20 gage steel framing spaced a maximum of 16 inches on center with lateral bracing every 4 feet vertically; gypsum board attached to framing with #6 by 1-1/4 self-drilling bugle-head screws spaced 8 in. o.c. on the perimeter and 12 in. o.c. in the field; joints and fasteners must have a Level 2 finish; framing for openings must be minimum No. 20 gage steel |
| Floorline firestopping | Min. 4 pcf mineral wool (e.g. Thermafiber) in each stud cavity at each floorline; attached with Z-clips or equivalent |
| Cavity insulation – use 1 or 2 | 1- none 2 – any noncombustible insulation (faced or unfaced) |
| Exterior sheathing | 1/2- or 5/8-inch-thick exterior gypsum sheathing complying with ASTM C1396 or ASTM C1177; sheathing attached to framing with #6 by 1-14 self-drilling screws spaced at 8 in. o.c. |
| Air or water-resistive barrier applied over exterior sheathing | Any barrier described in Table 5B |
| Exterior insulation – use 1, 2, 3, 4, 5 or 6 | 1 – EPS, ASTM C578, Type II, max 2.5 inches (see note 1) 2 – EPS, ASTM C578, Type XI, max. 4.7 inches (see note 1) 3 – EPS, ASTM C578, Type IX, max. 1.8 inches (see note 1) 4 – BASF Neopor EPS, ASTM C578 Type II, max. 2.4 inches (see note 1) 5 – XPS, ASTM C578 Type X or Type IV (see notes 1 and 2) 6 – polyisocyanurate, ASTM C1289 (see notes 1 and 2) |
| Lath | PermaLath® 1000 or FibaLath™ glass fiber lath applied horizontally with 3-inch overlaps at seams; attached to framing with #8 by 4-inch ITW Buildex screws and 1-1/4 in. Wind-Lock Lath-Plates (legless) (Part No. SP114WLF) (or equivalent), spaced 7 in. o.c. |
| Exterior wall covering – use 1 or 2 | 1 – StuccoBase or SPEC MIX, min. 1/2 inch thick 2 – Stucco complying with ASTM C926, min. 3/4 inch thick |
| Finish – use 1 or 2 | 1 – Any Master Builders Solutions finish coating 2 – Any cementitious finish coating |
| Flashing of window, door and other exterior wall penetrations (optional) | Window, door and penetrations may be flashed with acrylic, asphalt or butyl-based flashing tape, max. 12 inches wide |
| Accessories – use 1 or 2 (see Figure 1) | 1 – Galvanized steel, minimum 0.0172 inch thick 2 – PVC extrusions provided by Master Builder Solutions |

Note 1 – Foam plastic insulation must be recognized in a current research report and must have a flame-spread index and smoke-developed index of 25 or less and 450 or less, respectively.

Note 2 – The potential heat of the foam plastic insulation at the maximum installed thickness must not exceed 4999 Btu/ft², as determined in accordance with NFPA 259.



TABLE 5B – AIR AND WATER-RESISTIVE BARRIERS FOR USE IN ASSEMBLIES DESCRIBED IN TABLE 5A

| Water-resistive Barrier – Over Sheathing |
|---|
| No. 15 Asphalt felt – ASTM D226, Type 1 – one layer |
| –MasterSEal AWB 660 I |
| Senershield-VB |
| Finestop-VB |
| –MasterSeal AWB 660 |
| Senershield-R |
| Finestop-RA |
| Acrostop R |
| Tyvek® StuccoWrap® - DuPont |
| WeatherMate™ or WeatherMate™Plus – Dow Chemical |
| CertaWrap™ - CertainTeed |

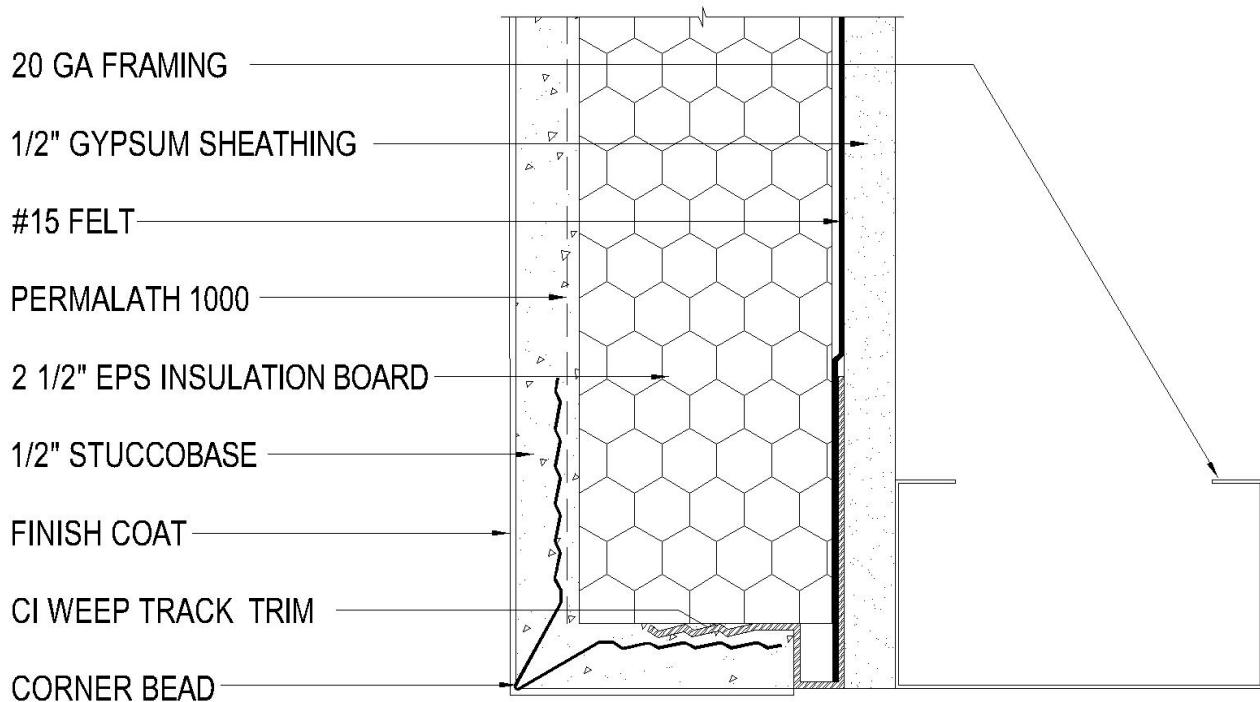
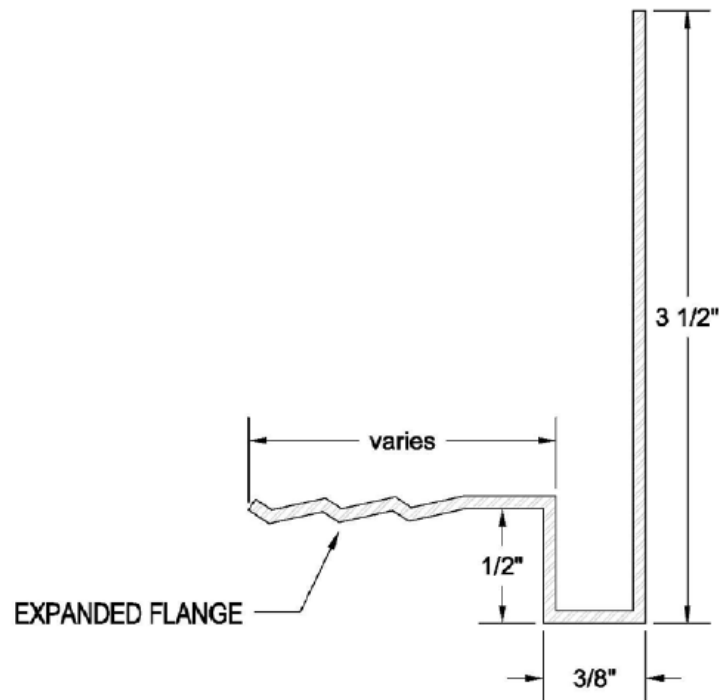


Figure 1 – Typical opening detail for NFPA 285 assembly (See Table 5)

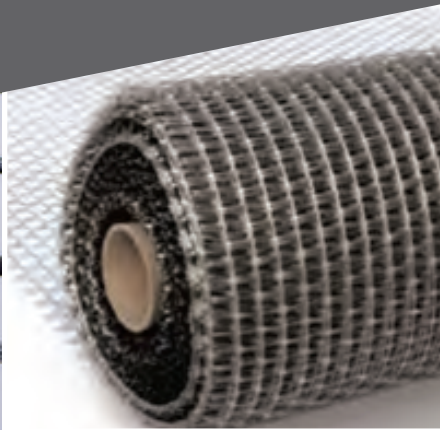


FibaLath™

Fiberglass alternative to metal lath



Attaches like metal lath and meets IBC and IRC building code requirements



Introducing FibaLath™, the fiberglass alternative to metal lath

ADFORS FibaLath is an innovative fiberglass lath designed for use in stucco applications, and exterior/interior walls of manufactured stone and brick façades. The three dimensional profile of FibaLath is self-furring and is attached the same way as metal lath.

Additional Features & Benefits include:

- Alkali-resistant for long term performance. Will not rust or rot.
- Non-directional which means it can be applied vertically or horizontally
- Over 4 times lighter weight than metal lath (per unit area)

| PART # | ROLL SIZE WIDTH X LENGTH | ROLL AREA | ROLL UPC | CASE UPC | CASE COUNT |
|-----------|-----------------------------|---------------------|--------------|----------------|---------------|
| FLX7207-A | 39 in x 25 ft | 81 ft ² | 038662946176 | 10038662946173 | 6 |
| FLX7206-A | 39 in x 55 ft | 180 ft ² | 038662946169 | 10038662946166 | 4 |
| FLX7205-A | 39 in x 150 ft | 491 ft ² | 038662946152 | N/A | 1 |

Made in Canada

Weight Comparison - FibaLath vs Metal Lath (2.5#)

| FIBALATH ROLL | | | 2.5# METAL LATH SHEETS | | WEIGHT SAVINGS W/FIBALATH |
|---------------------|--------------|--------|------------------------|----------------------|------------------------------|
| ROLL AREA | ROLL SIZE | WEIGHT | EQUIVALENT SHEETS | EQUIVALENT WEIGHT | |
| 81 ft ² | 25 ft | 5 lb | 4.5 | >22 lb | >75% |
| 180 ft ² | 55 ft | 11 lb | 10 | >50 lb | |
| 491 ft ² | 150 ft | 30 lb | 27 | >136 lb | |

- « 2.5# metal lath is over 4 times heavier for equal coverage area
- « Using FibaLath results in a >75% weight savings

Why should you make the switch to FibaLath?

- Lightweight and pliable. Easier and safer to cut, lift, and carry than metal lath
- Self-furring, three dimensional profile is attached the same way as metal lath
- Meets International Building Code® (IBC) and International Residential Code® (IRC) requirements (Intertek Code Compliance Research Report CCRR-0249)

Follow us on:



FibaLath™ is a trademark of Saint-Gobain ADFORS America, Inc.

SAINT-GOBAIN

Saint-Gobain ADFORS
America, Inc.

1795 Baseline Road
Grand Island, NY 14072 - USA
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www.adfors.com

SAINT-GOBAIN ADFORS FIBALATH™ FIBERGLASS LATH

GENERAL NOTES TO SPECIFIERS

This specification section has been prepared in accordance with the guidelines established by the Construction Specifications Institute (CSI). It is assumed that project manual will contain complete Division One General Requirements, including Sections 102600 – Procurement Substitution Procedures, 013300 - Submittal Procedures, 016200 – Product Options, 016600 – Product Storage and Handling Requirements, 017700 – Closeout Procedures and 017800 – Closeout Submittals—or will be formatted in accordance with AIA A2021 General Conditions.

SECTION 09 22 36 (MASTERFORMAT 2016 Edition)

Lath

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fiberglass alternative to metal lath

1.02 RELATED SECTIONS

- A. Section 07 91 00 Preformed Joint Seals
- B. Section 08 31 00 Access Doors & Panels
- C. Section 09 20 00 Plaster and Gypsum Board
- D. Section 09 70 00 Wall Finishes
- E. Section 09 90 00 Painting & Coating

1.03 SUBMITTALS

- A. Changes in specification may not be made after the bid date.
- B. Product Literature: Manufacturer's printed product information and data sheets indicating material compliance and specified options submitted prior to installation.

1.04 QUALITY ASSURANCE

- A. The contractor shall have a minimum of 2 years' experience in prior stucco, stone and/or brick wall framing system installation, lath applications and related wall systems; and shall provide trained laborers with prior experience in this type of interior and exterior installation.
- B. The product in this section shall be obtained from an authorized supplier unless otherwise indicated.
- C. Completed installations shall conform to all applicable state regional and local codes and regulations.
- D. Coordinate installation with other trades to assure proper sequencing, installation and detailing.

1.05 REFERENCES

- A. ASTM C474-05 – Standard Test Methods for Joint Treatment Material
- B. ASTM C926-20 – Standard Specifications for Application of Portland Cement-based Plaster
- C. ASTM C1063-99 - Standard Specifications for the installation of metal lath
- D. ASTM C1764-12 -- Standard Test Method for Non Metallic Plaster Bases (Lath) used with Portland Cement Based Plaster in Vertical Wall Applications
- E. ASTM C11787-14 – Standard Specification for Installation of Non Metallic Plaster Bases (Lath used with Portland Cement Based Plaster in Vertical Wall Applications
- F. ASTM C1788-14 – Standard Specifications for Non Metallic Plaster Bases (Lath) used with Portland Cement Based Plaster in Vertical Wall Applications
- G. ASTM D578-05 – Standard Specifications for Glass Fiber Strands
- H. ASTM D3272-05 - Standard Test Method for Resistance to Growth of Mold on Interior Surface Coatings in an Environmental Chamber
- I. ICC-ES AC275 (2013) – Acceptance criteria for Glass Fiber Lath used in Cementitious Exterior Wall Coatings or Exterior Cement Plaster (Stucco)
- J. Intertek Code Compliance Research Report CCRR-0249 (2016, 2019)
- K. ISO 2087 – Textile Glass – Yarns Designation
- L. GA-216 – Gypsum Association Recommended Specification of the Application and Finishing of Gypsum Board

1.06 PROJECT CONDITIONS

- A. Establish and maintain proper environmental conditions for the installation of lath application and finishing to comply with ASTM C1063, CCRR-0249 and any applicable state and local codes.
- B. Ventilate work area. Avoid drafts during dry, hot weather to prevent materials from drying too fast.

PART 2 PRODUCT

2.01 MANUFACTURER

- A. Saint-Gobain ADFORS America, Inc.
1795 Baseline Road
Grand Island, NY 14072
800-762-6694
716-775-3902 (Fax)
www.adfors.com

2.02 MATERIALS

- A. ADFORS FibaLath is a rustproof, woven coated fiberglass mesh designed as a replacement to conventional metal lath for use on stucco as well as interior/exterior wall systems of manufactured stone and brick facades..
- B. FibaLath is self-furring, alkali-resistant and over four times lighter than conventional metal lath.
- C. Can be installed horizontally or vertically in the same manner as metal lath.
- D. Meets all IBC and IRC code requirements.

PART 3 EXECUTION

3.01 STORAGE AND PREPARATION

- A. Accept only unopened, undamaged material with identification labels intact and store upright in a cool dry space. Avoid extreme heat and direct sunlight.
- B. Verify that the area is safe, clean, dry and in compliance with all Federal, state and local regulations.
- C. Verify that all applicable surfaces are acceptable for finishing.

3.02 PREPARATION

- A. FibaLath should be installed over a vapor barrier and can be positioned either vertically or horizontally.
- B. Acceptable substrates include Exterior Type A cement board, gypsum sheathing, exterior grade plywood or OSB, poured concrete or masonry (plaster).

3.03 INSTALLATION

- A. Adhere to all procedures and requirements provided by substrate manufacturer and applicable building codes. Not for use over open framing.
- B. Recommended fasteners for wood framing:
 - a. $\frac{3}{4}$ " crown x 1.25"
 - b. 16 gauge staples engaging at least two strands of lath.
 - c. Staples should be fastened to framing wood, 16-inches on center and no more than seven inches apart.
- C. Recommended fasteners for metal framing:
- D. Use #6 x 1.25" Type S, .32" diameter head screws, or 1.25" x .10VersaPIN Gripshank fasteners with 1.25"Wind-Lock Lath plates (legless), spaced 16" on center and no more than seven inches apart.
- E. FibaLath should be installed with a minimum three-inch overlap across seams.
- F. For inside and outside corners attach a casing or corner bead over FibaLath using manufacturer's
 - a. recommended fasteners.
- G. FibaLath can be cut to size using a utility knife or large shears.

3.04 CLEANING

- A. Use necessary care to limit debris dropping onto floor surfaces.
- B. Clean up scraps, other unused materials and debris, remove from job site and dispose accordingly.

END OF SECTION

Date of Issue: February 6, 2020

FIBALATH™ GLASS FIBER LATH

10-PART PRODUCT SPECIFICATION

CSI DIVISION: 09 22 36 Lath

1. PRODUCT NAME

FibaLath™ Glass Fiber Lath (alternative to metal lath)

2. MANUFACTURER

Saint-Gobain ADFORS America, Inc.

1795 Baseline Road

Grand Island, NY 14072

800-762-6694

716-775-3902 (Fax)

www.adfors.com

3. PRODUCT DESCRIPTION

FibaLath is an innovative fiberglass lath designed as an alternative to metal lath for use in stucco applications, as well as interior/exterior walls of manufactured stone and brick facades.

ADVANTAGES

- **Light Weight and Pliable** – Over four times lighter than comparable metal lath. Easier than metal lath to cut, lift and carry.
- **Self-furring and non-directional** – The three-dimensional profile attaches the same way as metal lath. Can be applied vertically or horizontally.
- **Will not rust or rot** – FibaLath is alkali resistant for long term performance.
- **Meets all building codes** – 2015 International Building Code (IBC) and 2015 International Residential Code (RDC) compliant.

4. TECHNICAL DATA

CODE COMPLIANCE RESEARCH REPORT

- Intertek CCRR-0249 (2016, 2019)

APPLICABLE STANDARDS

- ASTM C474-05 – Standard Test Methods for Joint Treatment Material
- ASTM C926-20 – Standard Specifications for Application of Portland Cement-based Plaster
- ASTM C1063-99 - Standard Specifications for the installation of metal lath
- ASTM C1764-12 -- Standard Test Method for Non Metallic Plaster Bases (Lath) used with Portland Cement Based Plaster in Vertical Wall Applications
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- ASTM D578-05 – Standard Specifications for Glass Fiber Strands
- ASTM D3272-05 - Standard Test Method for Resistance to Growth of Mold on Interior Surface Coatings in an Environmental Chamber
- ICC-ES AC275 (2013) – Acceptance criteria for Glass Fiber Lath used in Cementitious Exterior Wall Coatings or Exterior Cement Plaster (Stucco)
- Intertek Code Compliance Research Report CCRR-0249 (2018)
- ISO 2087 – Textile Glass – Yarns Designation
- GA-216 – Gypsum Association Recommended Specification of the Application and Finishing of Gypsum Board

PHYSICAL/CHEMICAL PROPERTIES

Fiber Type: Continuous filament fiberglass, woven, coated

Dimensions: Roll Width: 39 inches

Roll Lengths: 25, 55 or 150 feet

Roll Area: 81ft², 180 ft² or 491 ft²

Weight: 5 lb, 11lb or 30 lb

Thickness: .25 inch

Comparative weight savings: >75 percent compared to 2.5# metal lath

ENVIRONMENTAL CONSIDERATIONS

FibaLath will not rust or rot and is Alkali and mold resistant. The product can therefore positively contribute to the Interior Environmental Quality (IEQ), when

used in an interior application, especially when used in conjunction with VOC-free coatings and adhesives and environmentally friendly wall coverings. The no-rust feature potentially also contributes to increasing the structure's overall life span.

Contact Saint-Gobain for more specific information on how FibaLath can help earn points in projects registered under the U.S. Green Building Council's LEED program, the Green Building Initiative's Green Globes program or in a similar sustainability initiative.

5. INSTALLATION

PREPARATORY WORK

Deliver product to jobsite in manufacturer's original, undamaged containers with identification labels intact. Verify that site conditions conform to all applicable safety standards and verify that surfaces are acceptable for finishing. If storage is required, store upright in cool, dry area and avoid extreme heat and direct sunlight.

METHODS

- Adhere to all procedures and requirements provided by substrate manufacturer and applicable building codes. Not for use over open framing.
- Acceptable substrates include Exterior Type A cement board, gypsum sheathing, exterior grade plywood or OSB, poured concrete or masonry (plaster).
- Install vertically or horizontally over a moisture barrier.
- Unroll across surface and cut to size using a utility knife or large shears.
- Recommended fasteners for wood framing:
 - 3/4" crown x 1.25"
 - 16 gauge staples engaging at least two strands of lath.
 - Staples should be fastened to framing wood, 16-inches on center and no more than seven inches apart.
- Recommended fasteners for metal framing:
 - Use #6 x 1.25" Type S, .32" diameter head screws, or 1.25" x .10 VersaPIN Gripshank fasteners with 1.25" Wind-Lock Lath plates (legless), spaced 16" on center and no more than seven inches apart.
- FibaLath should be installed with a minimum 3" overlap across seams.
- For inside and outside corners, attach a casing or corner bead over FibaLath using manufacturer's recommended fasteners.

6. AVAILABILITY

FibaLath is available from authorized suppliers throughout North America as well as in most international markets. Call Saint-Gobain at 800-762-6694 or visit their website: www.adfors.com for specific supplier locations and details.

7. WARRANTY

Saint-Gobain ADFORS does not offer a warranty for FibaLath.

8. MAINTENANCE

Maintenance is not required.

9. TECHNICAL SERVICES

Technical assistance on product performance and related issues is available from your FibaLath supplier or by calling Saint-Gobain ADFORS America at 800-762-6694.

10. FILING SYSTEMS

Additional product information, as well as CSI formatted 3-part specifications are available from Saint-Gobain ADFORS America, Inc. upon request.

