



Report Number: 0141
Issued: 01/2010
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DIVISION: 09-FINISHES
Section: 09205-Furring and Lathing

REPORT HOLDER:
SPIDERLATH
130 WELSO RD.
SMACKOVER, AR 71762
(870) 725-3902
www.spiderlath.com

EVALUATION SUBJECT:

**REINFORCING FIBERGLASS MESH WITH A
MULTI-FUNCTION STRIP SYSTEMS**

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2006 *International Building Code*® (IBC)

1.2 Evaluated in accordance with:

- ICC AC 275 Dated July 2007

Properties evaluated:

Physical Properties
Structural (Non-Lateral)
Durability
Non-Combustibility

2.0 USES

SpiderLath is designed to be a replacement alternative for metal lath.

3.0 DESCRIPTION

3.1 General: SpiderLath roll size is 4 ft. x 75 ft. with rolled up dimension of 22 in. x 48 in. The roll weight is 21 lbs. The mesh is a three dimensional Leno Weave with a weight of 8.82 oz. per sq. yd (300 gsm), opening size of 0.25 square in., and has a semi rigid coating. Attached to the back of the mesh is a rigid foam stripping spaced 9 equal times (6 in. o.c.) with 0.375 in. x 0.5 in. x 75 ft. dimensions.

3.2 Materials: The mesh is an Alkali resistant (AR) fiberglass containing 14.5% Zirconium Dioxide (ZrO₂) and the rigid stripping is foam.

4.0 INSTALLATION

4.1 General: The lath is to be installed with the standoff strips against the substrate in any direction to create a void that is to be filled with the mortar scratch coat. The lath is to be installed with a minimum 2 inch (51 mm) overlap at horizontal and vertical edges. The lath shall be applied flat and stretched tight against the substrate. Reference figure 1 for standard stucco installation details.

4.2. Fasteners

4.2.1. Wood Studs

4.2.1.1. Corrosion resistant wide crown staples (minimum of 3/4 inch crown width) for wood stud applications; achieve penetration into wall stud a minimum of 3/4 inch and spacing of staple 6 inches on perimeter and 6 inches in the field into the strip system (rubber strips).

4.2.1.2. Staple must be applied only into the strip system to ensure damage created by the staple, into the water barrier, can compress, and seal intrusion made by the staple to prevent moisture damage to the substrate.

4.2.1.3. In Open Stud framing (wood), length of staple shall be long enough to penetrate the wood stud by at least 3/4 inch.

4.2.1.4. In Rigid Sheathing over wood framing, length of staple shall be long enough to penetrate wood stud by at least 3/4 inch.

4.2.2. Metal Studs

4.2.2.1. For metal surfaces and metal stud applications, No. 6 Type S self tapping screw with 2 -inch-diameter (52 mm) Wind-Lock wind-devil 2 fastening system of sufficient length to penetrate at least 3/8" beyond the metal surfaces.

4.2.2.2. Screw must be applied only into the strip

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system to ensure damage created by the screw, into the water barrier, can compress and seal intrusion made by the screw to prevent moisture damage to the substrate.

4.2.3. Mortar

4.2.3.1. At a minimum the masonry mortar shall comply with IBC section 2103.8 and ASTM C270.

4.2.3.2. Masonry Sand: Natural or manufactured sand per ASTM C 144, that is clean and free from deleterious amounts of loam, clay, silt, soluble salts and organic matter.

4.2.3.3. Water: Potable water clean and free from injurious amounts of oils, acids, alkali's, salts, organic minerals or other deleterious substances.

4.2.4. Applying Scratch Coat

4.2.4.1. Apply mortar scratch coat with sufficient pressure to force mortar through openings to completely fill area between lath and substrate. Apply a minimum of 3/8 inch mortar to fill area between lath and substrate made by furring strip system and a minimum of 1/4 inch of mortar to outside of lath.

4.2.4.2. Scarifying the surface of the mortar scratch coat in a horizontal direction may be performed to increase the surface bonding properties when veneer masonry unit is applied.

4.2.4.3. Permit the mortar scratch coat to cure to a point where veneer masonry unit can be applied without damage to the scratch coat. Cure time varies with ambient temperature and humidity.

5.0 CONDITIONS OF USE

5.1 Weight of veneer stone must be under 15 lbs per sf and listed in ICC ESR-1364. Report holder: Owens Corning. Report to be current and valid.

5.2 SpiderLath must be installed with the strips against the substrate.

5.3 SpiderLath is limited to non-rated combustible construction.

5.4 SpiderLath used as a component in a lateral resistive system is outside the scope of this report.

6.0 EVIDENCE SUBMITTED

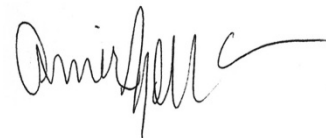
Data in accordance with ICC AC 275 Dated July 2007. Test results are from laboratories in compliance with ISO/IEC 17025.

7.0 IDENTIFICATION:

The product is to be identified with a label identifying the company name, roll dimensions, and IAPMO-ES report number.



IAPMO #0141

A handwritten signature in black ink, appearing to read "Amir" followed by a flourish.

Director of Evaluation Services

Figure 1

