

Installation procedures for SpiderLath (Patent Pending)

To provide evidence of compliance with ASTM C 1787-14 and ASTM C 1788-14 please find outlined below the following information:

SpiderLath is designed to be a replacement alternative for metal lath used in cementitious exterior wall coatings.

1. Installation

A. 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.

B. Installation Limitations

- a. Weight of veneer stone or exterior cladding must be under 15 lbs per sf
- b. Do not install on Soffit
- c. SpiderLath must be installed with the Strips against substrate
- d. Incorrect fasteners are roofing nails.

2. Fasteners

A. Wood Studs

- a. Corrosion resistant wide crown staples (minimum of $\frac{3}{4}$ inch crown width) or nails or screws with 1 $\frac{1}{4}$ " galvanized washers; achieve penetration into wall stud a minimum of $\frac{3}{4}$ inch. Spacing of fastener should be 6" vertically into strip and into every framing member.
- b. Fastener should be applied only into the strip system to ensure damage created by the fastener, into the water barrier, can compress and seal intrusion made by the fastener to prevent moisture damage to the substrate.
- c. In Open Stud framing (wood), length of fastener shall be long enough to penetrate the wood stud by at least $\frac{3}{4}$ inch.
- d. In Rigid Sheathing over wood framing, length of fastener shall be long enough to penetrate wood stud by at least $\frac{3}{4}$ inch.

B. Metal Studs

- a. For metal surfaces and metal stud applications, No. 6 Type S self tapping screw with a 1 $\frac{1}{4}$ " galvanized metal washer or 2 -inch-diameter (52 mm) Wind-Lock wind-devil 2 fastening system of sufficient length to penetrate at least $\frac{3}{8}$ " beyond the metal surfaces.
- b. Screw must be applied only into the strip 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.

3. Applying Scratch Coat

A. Apply mortar scratch coat with sufficient pressure to force mortar through openings to completely fill area between lath and substrate. Apply mortar to fill area between lath and substrate made by furring strip system and a minimum of $\frac{1}{4}$ inch of mortar to outside of lath.

B. 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.

C. 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.