

Accepted Stucco Wall Systems Lath & Trim Accessories

LATH

WIRE FABRIC LATH:

1. Minimum No. 20 gauge, 25.4 mm (1") galvanized steel, woven wire fabric is required. Other lath shall comply with ASTM C933-80 (welded) and ASTM C1032-86 (woven). The lath is self-furred or furred when applied over all substrates except unbacked polystyrene. Self-furring lath shall be used in accordance with the following requirements:
2. Wire or lath shall be applied with minimum 25 mm (1") end laps and side laps.
3. Furring crimps shall occur at maximum 152.4 mm (6") intervals each way. Furring crimps shall provide a minimum 3 mm (1/8") clearance from the substrate after installation.

METAL LATH:

1. The lath shall comply with ASTM C847-93 requirements. Furring and self furring requirements shall be as set forth for wire fabric lath. Minimum weight is 1.36 kg/m² (2.5 lb/yd²).
2. The metal lath shall be applied with minimum 13 mm (1/2") side laps and 25 mm (1") end laps.
3. When end laps occur between supports, lace or wire tie the ends of the sheets with 1.2 mm (0.0475") galvanized annealed steel wire.
4. Refer to ASTM C1063 for additional information.

GENERAL LATH & TRIM NOTES

1. See current *Master Builders Solutions Stucco Wall System Specifications*, details, and product bulletins for application of Master Builders Solutions StuccoBase.
2. See current *Acceptable Sealants for Use with Master Builders Solutions Wall Systems* technical bulletin for sealant information.
3. The maximum deflection criteria for Master Builders Solutions StuccoBase is L/360. Placement and design of expansion joints shall be the responsibility of the project architect/engineer.
4. Selection of the type of trim accessory materials is the responsibility of the design professional.
5. Refer to NER-676 or CCRR 0230 for additional information.

TRIM MANUFACTURERS

Casing beads, corner beads, expansion joints and weep screed must comply with ASTM D1784 for vinyl, ASTM A653/A653M for galvanized and ASTM B69 for zinc.

TRIM JUNCTION RECOMMENDATIONS

1. When two pieces of trim abut:
 - Set intersection of trim in a minimum 100 mm (4") bed of low modulus trim sealant.
 - Allow 3–5 mm (1/8"–3/16") gap between the abutting trim pieces. Do not overlap trim.
 - Attach the trim in accordance with manufacturer's specifications. True expansion joints must be fastened to the structural substrate.
2. When two or more pieces of trim intersect:
 - The vertical trim piece shall be continuous with all horizontal pieces.
 - Miter all corners at intersections of trim.
 - Set intersection of trim in a minimum 101 mm (4") bed of low modulus trim sealant.
 - Allow 3–5 mm (1/8"–3/16") gap between the intersecting trim pieces. Do not overlap the trim.
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5. Refer to NER-676 or ESR-1064 for additional information.

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EXPANSION/CONTROL JOINT PLACEMENT

Expansion/control joints are needed in thick, Portland cement-based plaster products such as Master Builders Solutions StuccoBase, to minimize potential cracking caused by stresses such as initial shrinkage, and thermal expansion and contraction. Guidelines for the placement of the joints are as follow:

1. Every 13.4 m² (144 ft²) of wall surface area with maximum uncontrolled length or width of 5.5 lineal meters (18 lineal feet) and a maximum uncontrolled length-to-width ratio of 2 1/2:1.
2. At dissimilar substrates, an expansion joint must be used. If building expansion/contraction is anticipated, a true expansion joint will be necessary.
3. At door and window bucks, and at large wall penetrations or openings.

TYPICAL USES OF TRIM ACCESSORIES

1. Building corners: zinc, galvanized wire or vinyl corner bead.
2. Window, door heads, jambs, A/C units, etc.: zinc, galvanized wire short flanged reinforcement or vinyl casing bead.
3. Drip or aesthetic joints, window or door bucks, and at large penetrations in the wall (A/C units, etc.): zinc, galvanized or vinyl expansion joints.
4. Substrate change: zinc expansion joint or panel/expansion joint.
5. Panel or true expansion joints: zinc, galvanized or vinyl expansion joint or back-to-back casing beads or zinc corner beads or back-to-back wire reinforcement corner bead.
6. Expansion/control joint.

TECHNICAL SUPPORT

Consult Master Builders Solutions Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications. Consult the Wall Systems website at www.master-builders-solutions.com/en-us, for additional information about products and systems and for updated literature.

For the most current version of this literature, please visit our website at www.master-builders-solutions.com/en-us.