

TECHNICAL BULLETIN

Lath & Trim Accessories for Stucco Wall Systems

These are general guidelines for use with stucco wall systems.

LATH

WIRE FABRIC LATH:

Minimum No. 20 gauge, 1" (25 mm) galvanized steel, woven wire fabric is required. Other lath shall comply with ASTM C933 (welded) and ASTM C1032 (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:

- Wire or lath shall be applied with minimum 1" (25 mm) end laps and side laps.
- Furring crimps shall occur at maximum 6" (152 mm) intervals each way. Furring crimps shall provide a minimum 1/8" (3 mm) clearance from the substrate after installation. Refer to ASTM C1063 for additional information.

METAL LATH:

The lath shall comply with ASTM C847 requirements. Furring and self furring requirements shall be as set forth for wire fabric lath. Minimum weight is 2.5 lb/yd² (1.36 kg/m²). Refer to ASTM C1063 for additional information.

- The metal lath shall be applied with minimum 1/2" (13 mm) side laps and 1" (25 mm) end laps.
- When end laps occur between supports, lace or wire tie the ends of the sheets with 0.0475" (1.2 mm) galvanized annealed steel wire.

GENERAL LATH & TRIM NOTES

- Reference SikaWall® stucco wall systems specifications, details, and product data sheets for application of SikaWall Stucco Base.
- Reference selected SikaWall brand Acceptable Sealants technical bulletin for sealant information.
- The maximum deflection criteria for SikaWall Stucco Base is L/360. Placement and design of expansion joints shall be the responsibility of the project architect/engineer.
- Selection of the type of trim accessory materials is the responsibility of the design professional.
- Refer to CRRR 0230 - Code Compliance Report for additional information on SikaWall stucco systems.

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

When two pieces of trim abut:

- Set intersection of trim in a minimum 4" (100 mm) bed of low modulus trim sealant.
- Allow 1/8"–3/16" (3–5 mm) 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.

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 4" (101 mm) bed of low modulus trim sealant.
- Allow 1/8"–3/16" (3–5 mm) gap between the intersecting trim pieces. Do not overlap the trim.
- Attach the trim in accordance with manufacturers' specifications. True expansion joints must be fastened to the structural substrate.

EXPANSION/CONTROL JOINT PLACEMENT

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

- Control joints are recommended at a minimum of every 144 ft² (13 m²) of wall surface area and where specified by the design professional. The maximum uncontrolled length or width is 18 lineal ft. (5.5 lineal m) and a maximum uncontrolled length to width ratio of 2 1/2: 1. Detail specific locations in construction drawings.

- Typical locations for system expansion joints are at building expansion joints, at prefabricated panel joints, floor lines of wood frame construction or slip tracks in steel frame construction, where substrates change and where structural movement is anticipated. Detail specific locations in construction drawings.

TYPICAL USES OF TRIM ACCESSORIES

- Building corners: zinc, galvanized wire or vinyl corner bead.
- Window, door heads, jambs, A/C units, etc.: zinc, galvanized wire short flanged reinforcement or vinyl casing bead.
- 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.
- Substrate change: zinc expansion joint or panel/expansion joint.
- 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.

TECHNICAL SUPPORT

Consult Sika Facades Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications. Consult the Sika Facades website at usa.sika.com for additional information about products and systems and for updated literature.

For the most current version of this literature, please visit our website at usa.sika.com

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