

TECHNICAL BULLETIN

Cement Board Stucco (CBS) 1000 Trim Accessories

ACCEPTABLE ACCESSORIES

OUTSIDE CORNERS:

Exterior grade PVC (ASTM D1784) corner bead. (Plastic Components type product number 2209 corner bead or equal).

WINDOW/DOOR, JAMBS, SILLS, A/C UNITS, ETC.:

Exterior grade PVC (ASTM D1784) casing bead or 45 bead with grounds to match the finished thickness. (Plastic Components type product number 2221-45 (angled termination bead) and product numbers CB-50-16 or CB-58-16 casing bead/starter track or equal).

WINDOW/DOOR HEADS, TERMINATIONS AT TOP OF A/C UNITS, ETC.:

Exterior grade PVC (ASTM D1784) drip edge. (Plastic components product number SB-75 or equal)

DRIP OR AESTHETIC JOINTS, WINDOW OR DOOR BUCKS, AND AT LARGE PENETRATIONS IN THE WALL (A/C UNITS, ETC.):

Exterior grade PVC (ASTM D1784) surface mounted joints or deep control joints with grounds to match the finished coating thickness. (Plastic Components type product number 22027-16 corner joint and product numbers 2250 or 2258 control joint or equal).

SUBSTRATE CHANGE:

Exterior grade PVC (ASTM D1784) deep control joint with grounds to match the finished thickness or use panel/expansion joint detail. (See below). (Plastic Components type product number 22027-16 corner joint or equal).

TRUE EXPANSION JOINTS OR FLOORLINES:

Exterior grade PVC (ASTM D1784) back-to-back casing beads with grounds to match the finished thickness. (Plastic Components type product number CB-50-16 or CB-58-16 casing bead/starter track or equal).

BASE OF WALL:

Exterior grade PVC (ASTM D1784) weep screed/starter track (Plastic Components type product number CBWP-50-16 or CBWP-58-16 casing bead/starter track and product number STDE-50 or STDE-58 starter track with drip edge or equal) or flashing fabricated from corrosion resistant metal.

TRIM ATTACHMENT

GENERAL:

Trim accessories are attached with mechanical fasteners and/or adhesives. The mechanical fastener method can be used with any nailable substrate (wood or steel framing or wood based sheathing). The adhesive method can be used to attach trim to cement based sheathing, wood or gypsum based sheathing coated with Senersshield-R/-RS/-VB.

MECHANICAL FASTENER METHOD:

Install trim and secure 16" (406 mm) on center maximum to nailable substrate with stainless steel or monel steel staples [1/2" (13 mm) crown with 3/8" (9.5 mm) legs] or to 'nailable' substrates (wood or steel framing or wood based sheathing) with stainless steel nails or pan head screws 16" (406 mm) on center maximum. Fasteners shall penetrate nailable substrate a minimum of 1/2" (13 mm) into wood and 5/8" (15.9 mm) into steel studs. Fasteners heads shall be installed tight to trim accessory. If necessary trim adhesives can be used to supplement mechanical attachment.

True expansion joints must be mechanically fastened to the structural substrate. The mechanical fasteners must start within 1" (25 mm) of each end of the trim.

ADHESIVE METHOD:

Install and secure trim to cement board sheathing, Senersshield-R or Senersshield-RS with acceptable trim adhesive (SikaFlex® NP 1) applied in 1" (25 mm) diameter dabs 12" (305 mm) apart. Remove excess adhesive, if any, from outer face of trim accessory and substrate prior to drying and before application of reinforced Base Coat. Allow adhesive to dry prior to application of reinforced Base Coat. If necessary mechanical fasteners may be used to supplement adhesive attachment during drying of adhesive. For optimal adhesion, roughen up the trim to de-gloss the plastic surface, and ensure substrate temperature is 4 °C (40 °F) and rising.

Notes: Trim accessories are not to be adhesively fastened to roll type moisture protection barriers such as building paper, Tyvek, etc. Adhesively attached trim shall be exposed to the weather a maximum of seven days before application of reinforced coating system.

WHEN TWO PIECES OF TRIM ABUT:

1. Set intersection of trim in bed of trim adhesive.
2. Allow 1/8"–3/16" (3–5 mm) gap between the abutting trim pieces. Do not overlap trim.

WHEN TWO OR MORE PIECES OF TRIM INTERSECT:

1. The vertical trim piece shall be continuous with all horizontal pieces abutting the verticals. Do not allow the joints in the vertical pieces to fall at the same location as the joint in the horizontal pieces.
2. Miter corners at intersections of trim.
3. Set intersection of trim in bed of trim adhesive/sealant.
4. Allow a 1/8"–3/16" (3–5 mm) gap between the intersecting trim pieces. Do not overlap the trim.

CONTROL JOINTS

Control joints are recommended to provide a means of stress relief in large wall areas or regions of anticipated stress concentration.

GUIDELINES FOR PLACEMENT OF CONTROL JOINTS:

1. For control joints mounted on the surface of the cement-board and placement must coincide with cement-board sheathing joints*. For control joints mounted on the underlying substrate of the cement-board, trim placement does not need to coincide with the joints in the underlying sheathing. For control joints in non-nailable substrates, additional framing will likely be needed for support/ attachment of the cement-board at vertical control joints.
2. Locate control joints approximately every 600 ft² (56 m²) of wall surface area with maximum uncontrolled length or width of 24 lin ft (7 m) and a maximum uncontrolled length-to-width ratio of 2 1/2:1.
3. At dissimilar substrates, a deep control joint (Plastic Components type product number 22027-16 corner joint or equal) must be used. If building expansion/contraction is anticipated, a true expansion joint should be utilized.
4. At door and window bucks, and at large wall penetrations or openings.

*Since cement-board is installed in a running bond pattern, every other sheet of cement board must be cut vertically to allow the control joint to be installed.

TRIM MANUFACTURERS

Casing beads, corner beads, deep control joints, surface-mounted control joints, drip flashings, 45 beads, weep screeds/starter tracks:

Plastic

Components: www.plasticcomponents.com
1-800-327-7077

Vinyl Corp: www.vinylcorp.com
1-800-648-4695

TRIM ADHESIVES:

SikaFlex: usa.sika.com
1-800-243-6739

GENERAL NOTES

1. See current Senergy CBS 1000 System specifications, product bulletins and details for application instructions.
2. Reinforcing Mesh must be discontinued (cut) at control and expansion joints.
3. In all cases, the Reinforcing mesh and flange of the trim accessory must overlap.
4. See current *Acceptable Sealants for Use with Senergy Wall Systems* bulletin for sealant information.
5. The maximum deflection criteria for the Senergy CBS 1000 Wall System is L/360. Selection and placement of control, expansion joints, as well as other trim accessories shall be the responsibility of the project architect/engineer.

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/senergy, for additional information about products and systems and for updated literature.