

SPECIAL SPECIFICATION

SECTION 05810S

EXPANSION JOINT COVER ASSEMBLIES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Expansion joint assemblies for floor, wall, and ceiling surfaces.

1.02 PRODUCTS FURNISHED BUT NOT INSTALLED UNDER THIS SECTION

- A. Section 03100 - Concrete Formwork. Placement of joint assembly frames in formwork.

1.03 RELATED SECTIONS

- A. Section 03100S - Concrete Formwork Concrete: Expansion and contraction joints in exterior concrete joints and junction of concrete slab-on-grade and perimeter walls.
- B. Section 05500S - Metal Fabrications: Custom fabricated steel expansion and control joint devices.
- C. Section 07620S - Sheet Metal Flashing and Trim: Roof control joints.
- D. Section 07900S - Joint Sealants: Expansion and control joint finishing utilizing a sealant and bond breaker.
- E. Section 09511S - Acoustical Lay-in Ceiling: Ceiling expansion device.

1.04 REFERENCES

- A. ASTM B 221 - Aluminum Alloy, Extruded Bar, Rod, Wire, Shape, and Tube.
- B. ASTM B 308 - Aluminum Alloy, Standard Structural Shapes, Rolled or Extruded.
- C. ASTM B 455 - Copper-Zinc-Lead Alloy (Leaded-Brass) Extruded Shapes.

1.05 SUBMITTALS

- A. Product Data: Provide joint assembly profiles, dimensions, locations in the Work, affected adjacent construction, anchorage devices, [available colors and finish], and locations of splices.
- B. Submit two samples 4 inches long, illustrating profile, dimension, color, and finish selected.

- C. Manufacturer's Installation Instructions: Indicate rough-in sizes. Provide templates for cast-in or placed frames or anchors, and indicate tolerances for item placement.

1.06 FIELD MEASUREMENTS

- A. Verify that field measurements are as instructed by the manufacturer.

1.07 EXTRA MATERIALS

- A. Provide 25 percent overage of resilient joint filler, and special tools required for servicing components.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Architectural Art Mfg. Inc.
- B. Balco, Inc.
- C. Construction Specialties, Inc.
- D. Metalines, Inc.

2.02 MATERIALS

- A. Extruded Aluminum: ASTM B 221 6063-75 allow for extrusions; ASTM B 209 Alloy 6061-76, for sheet and plate.
- B. Resilient Filler: Neoprene Elastomer exhibiting Shore 'A' hardness of 40 - 50 Durometer.
- C. Threaded Fasteners: Aluminum Galvanized steel.
- D. Backing Paint: Asphaltic type.

2.03 FABRICATION

- A. Joint Covers: Aluminum cover plate, aluminum frame construction, retainers with resilient elastomeric neoprene filler strip, designed to permit plus or minus 50 percent joint movement with full recovery, flush mounted; refer to Schedule.
- B. Back paint components in contact with cementitious materials.
- C. Galvanize embedded ferrous metal anchors and fastening devices.
- D. Shop assemble components and package with anchors and fittings.

- E. Provide joint components in single length wherever practical. Minimize site splicing.

2.04 FINISHES

- A. Floors: Non-slip surfacing of aluminum oxide grit.
- B. Walls and Ceilings: Clear anodized.
- C. Resilient Filler Exposed to View: Gray.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify surfaces are ready to receive the materials of this section.
- B. Verify that joint preparation and affected dimensions are acceptable.

3.02 PREPARATION

- A. Provide anchoring devices for installation and embedment.
- B. Provide templates and rough-in measurements.

3.03 INSTALLATION

- A. Install components and accessories in accordance with manufacturer's instructions.
- B. Align work plumb and level, flush with adjacent surfaces.
- C. Rigidly anchor components to substrate to prevent misalignment.

3.04 PROTECTION OF FINISHED WORK

- A. Do not permit traffic over unprotected floor joint surfaces.
- B. Provide removable strippable coating to protect finish surface.

END OF SECTION