SPECIFICATION
Section 07900/079500
Previous 05800

Wabo® FastWall
Model "EWH" Wall and Ceiling
Expansion Control Systems

PART 1 - GENERAL

1.01 Work Included

A. The work shall consist of furnishing and installing expansion joints in accordance with the details shown on the plans and the requirements of the specifications. The joints are proprietary designs utilizing preformed metal components, gaskets and fastening strips.

B. Related Work
- Drywall
- Miscellaneous and ornamental metals
- Flashing and sheet metal
- Interior Finishes

1.02 Submittals

A. Template Drawings - Submit typical expansion joint cross-section(s) indicating pertinent dimensioning, general construction, component connections, and anchorage methods.

1.03 Product Delivery, Storage and Handling

A. Deliver products in each manufacturer's original, intact, labeled containers and store under cover in a dry location until installed. Store off the ground, protect from weather and construction activities.

1.04 Acceptable Manufacturer

A. All joints shall be as manufactured/supplied by Sika Emseal, 25 Bridle Lane, Westborough, MA 01581 USA.

B. Alternate manufacturers and their products will be considered, provided they meet the design concept and are produced of materials that are equal to or superior to those called for in the base product specification.

C. Any proposed alternate systems must be submitted and receive approval 21 days prior to the bid. All post bid submittals will not be considered. This submission shall be in accordance with MATERIALS AND SUBSTITUTIONS.

- Any manufacturer wishing to submit for prior approval must provide the following:

1. A working 6” sample of the proposed system with a letter describing how system is considered superior to the specified system.

2. A project proposal drawing that illustrates the recommended alternate system installed in the wall or ceiling construction that is specific to the project. Typical catalog cut sections will not be considered.

3. Verifiable list of prior installations showing prior and successful experience with the proposed systems.

4. Any substitution products not adhering to all specification requirements within, will not be considered.

1.05 Quality Assurance

A. Warranty: Standard material limited warranty or project specific warranty available. Installation shall be in strict accordance with manufacturer’s technical specifications, details, installation instructions and general procedures in effect for normal intended usage and suitable applications under specific design movements and loading conditions.

B. Manufacturer: Shall have a minimum ten (10) years experience specializing in the design and manufacture of Architectural Expansion Control Systems

C. Application: Minimum 2 years [documented] experience in work of this Section

PART 2 - PRODUCT

2.01 General

A. Provide wall and ceiling expansion control system that accommodates two directional thermal movement with a variety of color finishes available to compliment adjacent finish surface treatments. Provide manufacturer’s system where hardware is hidden from view. The system shall be capable of following changes in direction to achieve a “corridor wrap” concept in high visible areas.

For walls and ceilings furnish Wabo® FastWall Expansion Control System, Model “EWH” as manufactured by Sika Emseal and as indicated on drawings.

2.02 Components and Materials

A. Exposed Cover - Materials shall be aluminum conforming to properties of ASTM B221 6063-T5.

B. Slide Gasket - Material shall be a polyvinyl chloride (PVC) extruded profile. Design gasket to mechanically lock into continuous channel of aluminum cover.

C. Base Extrusion – Material shall be a rigid polyvinyl chloride extruded profile.

D. Anchors - Supplied by others. Contractor shall install appropriate anchor to accommodate wall and/or ceiling construction. For gypsum wallboard construction, manufacturer recommends standard drywall screws of sufficient length. Maximum spacing shall be 18" o.c.

- For masonry block or concrete construction utilize No. 12 diameter x 1 ¾" lg. (min.) flat head threaded concrete anchor. Anchor spacing at 18" o.c. maximum.

E. Accessories - Provide necessary and related parts required for complete installation.

F Fire Barrier Assembly - Fire Barrier Assembly - Designed to provide the required fire endurance rating, minimize passage of smoke and accommodate dynamic movement without stress or degradation to its components. Test system in maximum joint width incorporating a field splice in accordance with UL-2079. Supply Sika Emseal Emshield® WFR1 (1-hour), WFR2 (2-hour) , or WFR3 (3-hour) for joints ½" to 6" wide or Wabo®FireFlex (up to 20" wide and 2-hour fire rating) Fire Barrier Blanket System as governed by joint opening, test requirements and fire rating.

2.03 Fabrication

A. Extrusions to be shipped in standard 10 ft. lengths and shall be cut to length on jobsite where required. Profiles shall be miter cut in the field to conform to directional changes unless otherwise contracted with expansion joint manufacturer.

B. Slide Gasket shall be shipped in the longest practical continuous length in manufacturer's standard shipping carton.

C. Fire Barriers - Ship manufacturer's standard assembly for the required hourly rating. Fire barrier shall be miter cut in the field to accommodate changes in direction.

2.04 Finishes

A. Exposed Cover
1. Aluminum
Standard - Clear anodized finish in accordance with AA-M10 C22 A31 Class II (0.4 - 0.7 thick anodic coating).

Optional:
Aluminum - Color anodize.
ColorChoice with matte or bright finish. Select from manufacturers standard color selection chart.

PART 3 - EXECUTION

3.01 Installation

A. Protect all expansion joint component parts from damage during installation and placement of wall or ceiling materials and thereafter until completion of structure.

B. Expansion joint systems shall be installed in strict accordance with the manufacturer's typical details and instructions along with the advice of their qualified representative.

3.02 Clean and Inspect

A. Upon completing installation the contractor shall clean all exposed metal surfaces with a suitable cleaner that will not harm or attack the finish. Contact manufacturer should questions arise regarding suitability of any cleaner type prior to its use.