

Series "P"

05800-1  
SECTION 05800  
EXPANSION CONTROL

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PART 1 GENERAL

1.01 SECTION INCLUDES

- A. "P" Series Expansion Joint Fire Barrier.
- B. Work included, Drawings and installation processes of the Contract, including General Conditions, Supplementary Conditions and Division-1 General Requirements apply to the work of this section.

1.02 RELATED SECTIONS

- A. Division 7 - Thermal & Moisture Protection Section

1.03 REFERENCES

- A. UL 2079 - Standard for test for Fire Resistance of Building Joint Systems, Underwriters Laboratories Inc.
- B. ASTM E1399 - Standard for test for Cyclic Movement and Measuring the Minimum and Maximum Joint Widths of Architectural Joint Systems.

1.04 SYSTEM DESCRIPTION

- A. "P" Series Expansion Joint Fire Barrier.
  - 1. "P" Series fire barrier is tested as a stand-alone fire-barrier. The "P" Series fire barrier have been Underwriters Laboratories tested for a two-hour rating.
  - 2. For Series C, G, J, & K expansion joint covers.
  - 3. Accommodates +/- 50% of the joint-width movement.
  - 4. Other Features:
    - a. ASTM E1399 tested.
    - b. UL2079 compliant.

1.05 SUBMITTALS

- A. Product Data: For each type of expansion joint fire barrier assembly specified, include manufacturer's product specifications, installation instructions, details of construction relative to materials, dimensions of individual components, profiles, and finishes.

1. Please note that submissions or substitutions must be made within 10 working days of the general contract award to avoid project delay. If not followed, the Architect will designate the

exact product to be used and the contractor will have no recourse.

- B. Test Reports: Certified report from Underwriters Laboratories Inc. supporting compliance of UL 2079 test with a two hour rating.
- C. Shop Drawing: Submit detailed drawings showing layout of expansion joint fire barrier and all special connections, jointing and accessories which are not completely shown in the manufacturer's data.
- D. Samples: Submit 6" long samples of each expansion joint fire barrier assembly for approval.

#### 1.06 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain expansion joint fire barrier assemblies from one source from a single manufacturer.
- B. Standards: Comply with applicable requirements of the following standards:
  - 1. UL2079
  - 2. ASTM E1399

#### 1.07 DELIVERY, STORAGE, AND HANDLING

- A. Storage and Protection: Protect expansion joint fire barrier assemblies from damage, after delivery to site and, before installation.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Specifications and drawings are based on Architectural Art Mfg., Inc. Products; 6409 Rhode Island Ave; Riverdale MD; Phone: (888) 213-0952, Fax: (800) 897-3129.
- B. Substitutions: Submit proposed substitution in writing to the Architect within 10 days of the bid due date. Submit samples and product data for Architects review and addendum approval.

#### 2.02 MATERIAL

- A. Extruded Aluminum: Alloy 6063-T5.
- B. Stainless Steel: Alloy 304.
- C. Interram: I10C Mat and I10 Mat.
- D. Adhesive: Hi-Temp. Silicone.

#### 2.03 FINISHES

- A. Mill finish: Standard exposed finish.

## 2.04 FABRICATION

- A. Shop assemble components and provide with all required components, anchors and fittings.
- B. Fabricate special transitions, connections, corner fittings, etc. as required.
- C. Fabricate and include fire barrier and components as required for fire rated / resistant installations.
- D. Provide assembled components in single lengths wherever practical.
- E. Provide assembly components of design, basic profile, materials and operation indicated.

## PART 3 EXECUTION

### 3.01 PREPARATION

- A. Verify field measurements on Shop Drawings.

### 3.02 INSTALLATION

- A. Install expansion joint fire barrier in accordance with manufacturer's instructions for each type of condition encountered.

### 3.03 PROTECTION

- A. Protect expansion joint fire barrier from damage until adjacent construction is complete.

### 3.04 CLEANING

- A. Do not remove protective material until finish work in adjacent areas is complete. When protective material is removed, clean exposed metal surface to comply with manufacturer's instructions.