

SECTION 079100 - PREFORMED JOINT SEALS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Precompressed foam seals.

1.2 RELATED REQUIREMENTS

- A. Section 079200 - Joint Sealants: Liquid and mastic joint sealants and their backing materials.

1.3 REFERENCE STANDARDS

- A. UL 2079 - Standard for Tests for Fire Resistance of Building Joint Systems.

1.4 SUBMITTALS

- A. See Section 013300 - Submittal Procedures for submittal procedures.
- B. Product Data: Manufacturer's technical data sheets for each product, including chemical composition, movement capability, color availability, limitations on application, and installation instructions.
- C. Color Cards: For color selection.
- D. Manufacturer's Qualification Statement.
- E. Installer's Qualification Statement.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section with at least three years of documented experience.

1.6 WARRANTY

- A. Correct defective work within a two year period after Date of Substantial Completion.
- B. Warranty: Include coverage for installed sealers that fail to achieve watertight seal or exhibit loss of adhesion or cohesion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Precompressed Foam Seals:
 - 1. Basis of Design: EMSEAL Joint Systems, Ltd: www.emseal.com/#sle.
 - 2. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com/#sle.
 - 3. Watson Bowman Acme Corporation: www.watsonbowmanacme.com/#sle.
 - 4. Substitutions: See Section 016000 - Product Requirements.

2.2 PRECOMPRESSED FOAM SEALS

- A. Type Exterior Expansion Joint for Vertical (Wall) and Horizontal (Roof Trough) Applications - Precompressed Foam Seal: Comprised of urethane, modified-acrylic impregnated, open-cell polyurethane, or closed-cell neoprene foam impregnated with water-repellent, and with self-adhesive faces protected prior to installation by release paper.
 - 1. Color: As selected by Architect.
 - 2. Size as required to provide weathertight seal when installed.
 - 3. Calculate size according to manufacturer's recommendations.
 - 4. Measure size of existing joints before selecting seal width.
 - 5. Applications:
 - a. Exterior wall expansion joints.
 - 6. Products:
 - a. Basis of Design: EMSEAL Joint Systems, Ltd; Seismic Colorseal: www.emseal.com/#sle.
 - b. Substitutions: See Section 016000 - Product Requirements.
- B. Type Interior 1-hr Fire-Rated Expansion Joint - Precompressed Foam Seal, Fire-Retardant Impregnated: Comprised of waterproof silicone face on fire-retardant impregnated foam seal.
 - 1. Color: As selected by Architect.
 - 2. Size as required to provide water-tight seal when installed.
 - 3. Calculate size according to manufacturer's recommendations.
 - 4. Measure size of existing joints before selecting seal width.
 - 5. Fire-Rating: As indicated on drawings, comply with UL 2079.
 - 6. Applications:
 - a. Fire-rated interior walls.
 - 7. Products:
 - a. Basis of Design: EMSEAL Joint Systems, Ltd; Emshield WFR1: www.emseal.com/#sle.
 - b. Substitutions: See Section 016000 - Product Requirements.
- C. Type Interior Non-Rated Expansion Joint - Elastomeric seal.
 - 1. Color: As selected by Architect.
 - 2. Size as required to provide water-tight seal when installed.
 - 3. Calculate size according to manufacturer's recommendations.
 - 4. Measure size of existing joints before selecting seal width.
 - 5. Applications:
 - a. Interior Non-Rated Walls and Ceilings.
 - 6. Products:
 - a. Basis of Design: EMSEAL Joint Systems, Ltd; Sika Wabo Corridor Wrap: www.emseal.com/#sle.
 - b. Substitutions: See Section 016000 - Product Requirements.

2.3 ACCESSORIES

- A. Adhesive: As recommended by seal manufacturer.
- B. Masking Tape: Self-adhesive, nonabsorbent, non-staining, removable without adhesive residue, and compatible with surfaces adjacent to joints and strip seal.
- C. Substrate Cleaner: Non-corrosive, non-staining type recommended by seal manufacturer; compatible with joint forming materials.
- D. Primer: Type recommended by seal manufacturer to suit application; non-staining.
- E. Backing Tape: Self-adhesive polyethylene tape with surface that seal will not adhere to.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that joints are ready to receive this work.
- B. Measure joint dimensions and verify that seal products are of the correct size to properly seal the joints.

3.2 PREPARATION

- A. Properly prepare construction components adjacent to the work of this section to prevent damage and disfigurement due to this work.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's written instructions.
- B. Precompressed Foam Seals:
 - 1. Install only when ambient temperature is within recommended application temperature range of adhesive. Consult manufacturer when installing outside this temperature range.
 - 2. Prepare joints and install seals in accordance with manufacturer's written recommendations.
 - 3. Remove loose materials and foreign matter that could impair adhesion of sealant.
 - 4. Do not stretch precompressed seal; avoid joints except at corners, ends, and intersections; install with face 1/8 to 1/4 inch below adjoining surface.

3.4 CLEANING

- A. Clean adjacent soiled surfaces.

3.5 PROTECTION

- A. Protect joints from damage until adhesives have properly cured.

END OF SECTION 079100