

SECTION 07900 - CAULKING AND SEALANTS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The General provisions of the Contract, including General and Supplementary Conditions and General Requirements apply to the work specified in this Section.

1.02 DESCRIPTION OF WORK

- A. Scope: Work under this Section is to include caulking and sealants as specified herein and/or shown on the Drawings.
- B. Extent: The applications for joint sealers include without limitation the following:
 - 1. Pavement and sidewalk joints.
 - 2. Concrete construction joints.
 - 3. Wall joints.

1.03 RELATED WORK

- A. Refer to Divisions 15 and 16 for joint sealers in mechanical and electrical work; not the work of this Section.

1.04 QUALITY ASSURANCE

- A. Except as otherwise indicated, caulking and sealants are required to establish and maintain airtight and waterproof continuous seals on a permanent basis, within recognized limitations of wear and aging, as indicated for each application. Failures of installed sealers to comply with this requirement will be recognized as failures of materials and workmanship.
- B. No caulking or sealant work is to be done when temperature is below 40 degrees F, nor during rainy or wet conditions.

1.05 SUBMITTALS

- A. Before beginning any caulking or sealant work or delivery of materials to the site, submit to the Architect for approval the predate data for any type or types of caulking and/or sealants proposed for use. Product data includes manufacturer's specifications, handling/installation/curing instruction, performance tested data sheets for each product required, and color samples.

1.06 DELIVERY AND HANDLING

- A. Deliver materials in manufacturer's original, unopened containers, with labels legible. Protect materials from damage.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. General:
 - 1. Provide colors indicated or, if not otherwise indicated, as selected by Architect from manufacturer's standard colors.
 - 2. Select materials for compatibility with joint surfaces and other indicated exposures, and except as otherwise indicated; select modules of elasticity and hardness or grade recommended by manufacturer for each application indicated.
 - 3. Where exposed to foot traffic, select non tracking materials of sufficient strength and hardness to withstand stiletto heel traffic without damage or deterioration of sealer system.
- B. Backer Rod: Compressible rod stock of polyethylene foam, polyethylene jacketed polyurethane foam, butyl rubber foam, or neoprene foam as recommended for compatibility with sealant by manufacturer.
- C. Joint Filler: Resilient, non-extruding type premoulded bituminous impregnated fiberboard units complying with ASTM D1751; FS HH-F-341, Type I; or AASHTO M213.
- D. Sealant:
 - 1. Multi-component polyurethane sealant: Manufacturer's standard, non modified, two or more part, meeting FS TT-S-00227E Class A; self-leveling and non-sag at traffic-bearing joints.
 - 2. Acceptable Products: Dymeric as manufactured by Tremco, 10701 Shaker Boulevard, Cleveland, Ohio, 44104, or equal as approved.
- E. Primer: As recommended by sealant manufacturer.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Examine substrates, joint surfaces and conditions under which caulking and sealant work is to be performed.
- B. Notify Contractor in writing of unsatisfactory conditions.
- C. Do not proceed with work until unsatisfactory conditions have been corrected to the satisfaction of the Installer.

3.02 PREPARATION

- A. Clean all joints before caulking, removing all dust, moisture, and loose materials. Etch concrete and masonry joint surfaces as recommended by manufacturer.
- B. Prime joints where required or recommended by sealant manufacturer.

3.03 INSTALLATION

- A. Comply with manufacturer's printed instructions except where more stringent requirements are shown or specified, and except where manufacturer's technical representative directs (in writing) otherwise.
- B. Support sealant with backer rod if shown.
- C. Install sealant to size and shape shown on the Drawings and to the requirements of the sealant manufacturer.

END OF SECTION 07900.