

**1.01 EXTENT**

- A. Fill all joints between adjacent surfaces and windows, door frames, and openings in exterior walls and elsewhere as noted on the drawings, specified on exterior to remedy or prevent cracks between dissimilar materials, to close openings, to make joints watertight, or for appearance.
- B. On the interior, seal joints between plumbing fixtures and adjacent surfaces, joints at locations where construction items penetrate walls, floors and ceilings. Fill all interior joints between steel and masonry, door frames and adjacent material, masonry walls abutting other masonry walls, and to close minute openings. Seal control joints in masonry.
- C. Provide acoustical sealant at installation of interior metal wall studs and gypsum wallboard where indicated.

**1.02 SUBMITTALS**

Submit one tube of each type of caulking or sealant to Architect for approval prior to installation. Manufacturer's printed installation instructions must be furnished for sealant proposed for use on building expansion joints indicating joint preparation, joint design proposed, and primer selection.

**2.01 MATERIALS**

- A. Sealants for used in exterior insulating wall finish shall be two component urethane colored to match the finish and shall be Dymeric by Tremco, Inc., Dynatrol II by Pecora Corp., or Sonolastic NP II by Sonneborn.
- B. Sealants in exterior walls between metal frames and masonry or other supporting construction shall conform to ASTM C520-87, Type S, Grade NS, Class 25, grade of the type not requiring primer or surface conditioner. Color shall be off white, except around aluminum frames, color shall match bronze aluminum.
- C. Interior sealant, except that which will be painted over shall be Dow Corning #790 Building Sealant; General Electric's Silpruf; or Pecora Corporation's Sealant #864.
- D. Interior caulking which will be painted over shall be polyurethane type, Dynatrol I by Pecora, Permapol RC-1 by PRC, or Spectrem I by Tremco.
- E. Acoustical sealant shall be Interchemical Corp. Presstite No. 4217, DAP Acoustical Sealant or Tremco Acoustical Sealant.
- F. Back-up material shall be inert, non-rigid, round plastic foam, with diameters for openings. Back-up material shall provide positive bond breaker with applied sealants.

**3.01 JOINT PREPARATION**

Joints made or cut-out to receive caulking shall be no less than 1/16" nor more than 1/2" wide, except at building expansion joints and masonry control joints. Joints wider than 1/4" and deeper than 1/4" shall have backup material to allow caulking depth to be one half the width but no less than 3/8". Joints shall be clean and free from foreign matter.

**3.02 INSTALLATION**

- A. Insure that depth of joints to receive silicone sealants are not greater than 3/8" deep after installing joint backing materials.
- B. Install all sealants at joint temperature above 40°F. Install with gun or knife to manufacturer's recommendations, point and clean excess materials off adjacent surfaces, and leave joints clean, neat, true, and filled.
- C. Install acoustical sealants in two continuous beads at meeting surfaces of floor and ceiling runners of metal wall framing, as specified in Section 05400 and 09110. In addition, place a bead of acoustical sealant at the wallboard joint between floors and ceilings, and at ends of partitions where they abut other materials.
  - 1. Butter with the acoustical sealant the back sides of electrical wall boxes for outlets and switches occurring in acoustically treated partitions.

**END OF SECTION**