

## SECTION 07 92 00

### JOINT SEALANTS

#### PART 1 GENERAL No Requirements

#### PART 2 PRODUCTS

##### 2.01 MATERIALS

- A. Sealant
  - 1. Polyurethane material to span widths from 1/16" to 3" between a variety of materials and exposure conditions with watertight, airtight, and continuous seals without staining or deteriorating adjacent construction.
  - 2. For general application, in the absence of special conditions, 1 or 2 part silicone or polyurethane sealants are preferred.
  - 3. Preformed materials are permitted.
  - 4. Provide self-leveling sealant for joints in horizontal surfaces.
  - 5. Precompressed expanding foam sealant tape is preferred for joints over 1-1/2" wide.
- B. VOC Content: Sealants and sealant primers used inside the weatherproofing system shall comply with the following:
  - 1. Architectural sealants shall have a VOC content of 250 g/L or less.
  - 2. Sealant primers for nonporous substrates shall have a VOC content of 250 g/L or less.
  - 3. Sealant primers for porous substrates shall have a VOC content of 775 g/L or less.
- C. Low-Emitting Interior Sealants: Sealants and sealant primers shall comply with the testing and product requirements of the California Department of Public Health (CDPH) Standard Method v1.1–2010.
- D. Caulk
  - 1. 1 part acrylic latex based mildew resistant material
- E. Accessories
  - 1. Joint primer
  - 2. Bond breaker tape
  - 3. Backer rod to be open cell only

#### PART 3 EXECUTION

##### 3.01 INSTALLATION

- A. Commencement of sealant and caulk work shall constitute acceptance of substrate conditions.
- B. Preparation, including cleaning, priming, and skim coating joints, is critical to joint performance.
- C. Width to depth ratios shall be per material manufacturer.
- D. Maximum sealant thickness 3/8" unless otherwise recommended by manufacturer.
- E. "Sealant" is required at horizontal and vertical interior and exterior building expansion and control joints where movement is anticipated, and at junctures of dissimilar materials. Use sealant at dynamic (moving) interior joints, interior joints exposed to water or chemicals, and for all exterior construction joints.
- F. "Caulk" applications are limited to non-moving interior fill conditions only. Use caulk only at static (non-moving) interior joints.

END OF SECTION 07 92 00