

OKLAHOMA STATE UNIVERSITY - BUILDING DESIGN STANDARDS

PART 1 GENERAL

1.01 SUBMITTALS:

- A. Submit manufacturer's surface preparation and installation instructions under provisions of Section 01300.
- B. **LEED EG Credit 4.1: Low-Emitting Materials: Adhesives & Sealants. Provide documentation from the manufacturer identifying the VOC and chemical component limits for the materials provided.**

1.02 QUALITY ASSURANCE:

- A. Applicator Qualifications:
 - 1. Application shall be done by a Joint Sealant Subcontractor with five years experience. Submit documentation to the Architect and Owner.
- B. Manufacturer Technical Assistance:
 - 1. Materials shall be supplied by manufacturer who will provide qualified technical assistance at the project site.

1.03 WARRANTY:

- A. Submit two copies of written two-year warranty agreeing to repair or replace joint sealers which fail to perform as airtight and watertight joints; or fail in joint adhesion, cohesion, abrasion resistance, weather resistance, extrusion resistance, migration resistance, stain resistance, or general durability; or appear to deteriorate in any other manner not clearly specified by submitted manufacturer's data as an inherent quality of the material for the exposure indicated.
- B. Provide warranty signed by the Installer and Contractor.

PART 2 PRODUCTS

2.01 MANUFACTURERS:

- A. Dow Corning.
- B. General Electric.
- C. Pecora Corporation.
- D. Tremco Manufacturing.
- E. An approved equal.

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2.02 SEALANTS:

A. One-Component Acrylic Sealant:

1. Acrylic emulsion sealant, one-part, mildew resistant and paintable, complying with ASTM C834, recommended by manufacturer for general use as an exposed building construction sealant.
2. LEED EG Credit 4.1: Low-Emitting Materials: Adhesives & Sealants. All sealants shall meet or exceed the VOC limits of South Coast Air Quality Management District (SCAQMD) Rule #1168.

B. Interior Silicone Rubber Sealant:

1. Silicone rubber-based, one-part elastomeric sealant, complying with ASTM C920, Type S, Class 25, Grade NS.
2. Use acid-type for non-porous joint surfaces, and non-acid type where one or both joint surfaces are porous.
3. For wet areas use type compounded specifically for mildew resistance.
4. Use for interior joints between equipment or counters and walls.
5. LEED EG Credit 4.1: Low-Emitting Materials: Adhesives & Sealants. All sealants shall meet or exceed the VOC limits of South Coast Air Quality Management District (SCAQMD) Rule #1168.

C. Two-Component Polyurethane Sealant:

1. Polyurethane-based, two-part elastomeric sealant, complying with ASTM C920, Type M, Class 25, Grade NS (non-sag), Tremco "Dymeric", Pecora "Dynatrol II".
2. Optional Sealant: Contractor may at their option, provide one component silicone sealant, "Silpruf" by General Electric or #790 by Dow Corning, in lieu of above.
3. For exterior and interior sidewalk and floor joints, polyurethane as above except Grade P (self-leveling), Tremco "Dymeric", Pecora "Urexpant NR200".
4. LEED EG Credit 4.1: Low-Emitting Materials: Adhesives & Sealants. All sealants shall meet or exceed the VOC limits of South Coast Air Quality Management District (SCAQMD) Rule #1168.

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- D. Backer Rod: Compressible, closed cell non-gassing type compatible with required sealant.

END OF SECTION 07920