

SECTION 079205 - LANDSCAPE JOINT SEALANTS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Joint sealants for other sections referencing this Section.
 - 2. Joint backup materials.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 REFERENCES

- A. ASTM International (ASTM):
 - 1. C920 - Standard Specification for Elastomeric Joint Sealants.
 - 2. C1193 - Standard Guide for Use of Joint Sealants.
 - 3. C1330 - Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid Applied Sealants.
 - 4. C1472 - Standard Guide for Calculating Movement and Other Effects When Establishing Sealant Joint Width.

1.3 SUBMITTALS

- A. Submittals for Review:
 - 1. Product Data: Indicate sealants, primers, bond breakers, and accessories proposed for use.
 - 2. Samples: 1/2 x 1/2 x 3 inch long joint sealant samples showing available colors.

1.4 QUALITY ASSURANCE

- A. Applicator Qualifications: Minimum 2 years experience in work of this Section.

1.5 PROJECT CONDITIONS

- A. Do not apply sealants at temperatures below 40 degrees F unless approved by sealant manufacturer.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers:
 - 1. Dow. (www.dow.com)
 - 2. GE Silicones. (www.siliconeforbuilding.com)
 - 3. Pecora Corp. (www.pecora.com)
 - 4. Sika. (www.sika.com)
 - 5. Tremco, Inc. (www.tremcosealants.com)
- B. Substitutions: Under provisions of Division 01.

2.2 MATERIALS

- A. Joint Sealant Type 1:
 - 1. ASTM C920, Grade P, multiple component polyurethane type, self-leveling and slope grades.
 - 2. Movement capability: Plus or minus 25 percent.
 - 3. Color: To be selected from manufacturer's full color range.
 - 4. Uses: Joints in horizontal surfaces subject to pedestrian or vehicular traffic.

2.3 ACCESSORIES

- A. Primers, Bondbreakers, and Solvents: As recommended by sealant manufacturer.

2.4 MIXES

- A. Mix sealants in accordance with manufacturer's instructions.
 - 1. Mix with mechanical mixer; prevent air entrainment and overheating.
 - 2. Continue mixing until color is uniform.

PART 3 EXECUTION

3.1 PREPARATION

- A. Remove loose and foreign matter that could impair adhesion. If surface has been subject to chemical contamination, contact sealant manufacturer for recommendation.
- B. Clean and prime joints in accordance with manufacturer's instructions.
- C. Protect adjacent surfaces with masking tape or protective coverings.
- D. Calculate joint dimensions in accordance with ASTM C1472.

3.2 APPLICATION

- A. Apply products in accordance with manufacturer's instructions.
- B. Install sealants and accessories in accordance with ASTM C1193.
- C. Install joint backing to maintain required sealant dimensions. Compress backing approximately 25 percent without puncturing skin. Do not twist or stretch.
- D. Use bondbreaker tape where joint backing is not installed.
- E. Fill joints full without air pockets, embedded materials, ridges, and sags.
- F. Tool sealant to smooth profile.
- G. Apply sealant within manufacturer's recommended temperature range.

3.3 CLEANING

- A. Remove masking tape and protective coverings after sealant has cured.
- B. Clean adjacent surfaces.

END OF SECTION