SECTION 07 9200

JOINT SEALERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Joint backup materials.
2. Joint sealers.

B. Related Sections:
1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 REFERENCES

A. ASTM International (ASTM):
1. C510 - Standard Test Method for Staining and Color Change of Single- or Multicomponent Joint Sealants.
2. C719 - Standard Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle).
3. C794 - Standard Test Method for Adhesion-In-Peel of Elastomeric Joint Sealants.
4. C834 - Standard Specification for Latex Sealing Compounds.
5. C919 - Standard Practice for Use of Sealants in Acoustical Applications.
6. C920 - Standard Specification for Elastomeric Joint Sealants.
7. C1193 - Standard Guide for Use of Joint Sealants.
8. C1248 - Standard Test Method for Staining of Porous Substrate by Joint Sealants.
9. C1330 - Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid Applied Sealants.
10. D2203 - Standard Test Method for Staining from Sealants.

1.3 SUBMITTALS

A. Submittals for Review:
1. Product Data: Indicate sealers, primers, backup materials, bond breakers, and accessories proposed for use.
2. Samples:
a. 1/2 x 1/2 x 3 inch long joint sealer samples showing available colors.
b. 6 inch long joint backup material samples.

1.4 QUALITY ASSURANCE

A. Applicator Qualifications: Minimum 5 years experience in work of this Section.

1.5 PROJECT CONDITIONS

A. Do not apply sealers at temperatures below 40 degrees F unless approved by sealer manufacturer.

1.6 WARRANTIES

A. Furnish manufacturer's 10 year warranty providing coverage for exterior sealers and accessories that fail to provide air and water tight seal, exhibit loss of adhesion or cohesion, or do not cure.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
1. BASF Building Systems. (www.chemrex.com)
2. Dow Corning Corp. (www.dowcorning.com)
3. GE Silicones. (www.gesealants.com)
4. Pecora Corp. (www.pecora.com)
5. Sika Corp. (www.sikausa.com)
6. Tremco, Inc. (www.tremcosealants.com)
7. Or equal

2.2 MATERIALS

Sealants: As recommended by manufacturer for each application.

2.3 ACCESSORIES

A. Primers, Bond-breakers, and Solvents: As recommended by sealer manufacturer.

B. Joint Backing:
1. ASTM C1330, closed cell polyethylene foam, preformed round joint filler, non absorbing, non staining, resilient, compatible with sealer and primer, recommended by sealer manufacturer for each sealer type.
2. Size: Minimum 1.25 times joint width.

2.4 MIXES

A. Mix multiple component sealers 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 sealer manufacturer for recommendation.

B. Clean and prime joints in accordance with manufacturer's instructions.

C. Protect adjacent surfaces with masking tape or protective coverings.

3.2 APPLICATION

A. Apply products in accordance with manufacturer's instructions.

B. Install sealers and accessories in accordance with ASTM C1193.

C. Install acoustical sealers and accessories in accordance with ASTM C919.

D. Install joint backing to maintain required sealer dimensions. Compress backing approximately 25 percent without puncturing skin. Do not twist or stretch.

E. Use bond-breaker tape where joint backing is not installed.

F. Fill joints full without air pockets, embedded materials, ridges, and sags.

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G. Tool sealer to smooth profile.

H. Apply sealer within manufacturer's recommended temperature range.

3.3 CLEANING

A. Remove masking tape and protective coverings after sealer has cured.

B. Clean adjacent surfaces.

END OF SECTION