SECTION 07 9213
ELASTOMERIC JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY
A. Includes But Not Limited To:
   1. Furnish and install sealants not specified to be furnished and installed under other Sections.
   2. Quality of sealants to be used on Project not specified elsewhere, including submittal, material, and installation requirements.

B. Related Sections:
   1. Furnishing and installing of sealants is specified in Sections specifying work to receive new sealants.
   2. Section 07 2419: Sealants for EIFS.

1.2 SUBMITTALS
A. Product Data:
   1. Manufacturer's literature and installation recommendations for each Product.
   2. Schedule showing joints requiring sealants. Show also backing and primer to be used.

B. Quality Assurance / Control: Certificate from Manufacturer indicating date of manufacture.

1.3 DELIVERY, STORAGE, AND HANDLING
A. Handle to prevent inclusion of foreign matter, damage by water, or breakage.

B. Deliver and keep in original containers until ready for use.

C. Do not use damaged or deteriorated materials.

D. Store in a cool place, but never below 40 deg F 4 deg C.

PART 2 - PRODUCTS

2.1 MATERIALS
A. Sealants:
   1. Sealants provided shall meet Manufacturer's shelf-life requirements.
   2. Exterior Building Elements:
      a. Joints and cracks around windows.
      b. Aluminum entrance perimeters and thresholds.
      c. Door frames.
      d. Columns.
      e. Louvers.
      f. Wall penetrations.
      g. Connections.
      h. Parapet caps.
      i. Other joints necessary to seal off building from outside air and moisture.
      j. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
1) Dow Corning:
   a) Primer: 1200.
   b) Sealant: 791.

2) General Electric:
   a) Primer: SS4044.

3) Tremco:
   a) Primer:
      1) Metal: No. 20.
      2) Other: No. 23.
   b) Sealant: Spectrum 1.

3. Exterior Sheet Metal And Miscellaneous:
   a. Penetrations in soffits and fascias.
   b. Roof vents and flues.
   c. Flashings.
   d. Gutters.
   e. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
      1) 791 or 790 by Dow Corning.
      2) Sikaflex 15LM by Sika Corp.
      3) Tremsil 600 by Tremco.

4. Exterior Concrete:
   a. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
      1) Joints between building foundations and exterior site concrete:
         a) Dow Corning:
            1) Primer: 1200.
            2) Sealant: 790.
         b) General Electric:
            1) Primer: SS4044.
         c) Tremco: Vulchem 45.
      2) Expansion joints in retaining walls:
         a) Dow Corning:
            1) Primer: 1200.
            2) Sealant: 790.
         b) General Electric:
            1) Primer: SS4044.
      3) Expansion joints in Portland cement concrete driveways and parking lots:
         a) Dow Corning:
            1) Primer: 1200.
            2) Sealant: NS. SL may be used on non-sloping areas.
         b) Tremco: Vulkem 45.

5. Interior:
   a. Inside jambs and heads of exterior door frames.
   b. Inside perimeters of windows.
   c. Miscellaneous gaps between substrates.
   d. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
      1) Tub, Tile, And Ceramic Silicone Sealant by Dow Corning.
      2) Acrylic Latex 834 by Tremco.

6. Interior At Exposed Masonry Walls:
   a. Both sides of interior door frames.
   b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
      1) Tub, Tile, And Ceramic Silicone Sealant by Dow Corning.
      2) Acrylic Latex 834 by Tremco.

7. Interior Joints Formed By:
   a. Countertops and backsplash to wall.
   b. Sinks and lavatories to countertops.
   c. Termination joints in fonts.
   d. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
      1) Tub, Tile, And Ceramic Silicone Sealant by Dow Corning.
2) Acrylseal by General Electric.
3) Tremsil 200 by Tremco.

8. Color: As selected by Architect from Manufacturer's standard colors.

B. Backing: Flexible closed cell, non-gassing polyurethane or polyolefin rod or bond breaker tape as recommended by Sealant Manufacturer for joints being sealed.

2.2 MANUFACTURERS

A. Contact Information:

PART 3 - EXECUTION

3.1 PREPARATION

A. Surfaces shall be clean, dry, and free of dust, oil, grease, dew, or frost.
B. Apply primer.
C. Joint Backing:
   1. Rod for open joints shall be at least 1-1/2 times width of open joint and of thickness to give solid backing. Backing shall fill up joint so depth of sealant bite is no more than 3/8 inch 10 mm deep.
   2. Apply bond-breaker tape in shallow joints as recommended by Sealant Manufacturer.

3.2 APPLICATION

A. Apply sealant with hand-calking gun with nozzle of proper size to fit joints. Use sufficient pressure to insure full contact to both sides of joint to full depth of joint. Apply sealants in vertical joints from bottom to top.
B. Tool joints immediately after application of sealant if required to achieve full bedding to substrate or to achieve smooth sealant surface. Tool joints in opposite direction from application direction, i.e., in vertical joints, from the top down. Do not 'wet tool' sealants.
C. Depth of sealant bite shall be 1/4 inch 6 mm minimum and 1/2 inch 13 mm maximum, but never more than one half or less than one fourth joint width.
D. Do not apply calking at temperatures below 40 deg F 4 deg C.
E. Calk gaps between painted or coated substrates and unfinished or pre-finished substrates. Calk gaps larger than 3/16 inch 9 mm between painted or coated substrates.

3.3 CLEANING

A. Clean adjacent materials, which have been soiled, immediately (before setting) as recommended by Manufacturer.

END OF SECTION