

SECTION 07920

SEALANTS & CAULKING

PART 1 GENERAL

1.01 DIVISION OF RESPONSIBILITIES TERMINOLOGY: **NOT USED**

1.02 SUMMARY:

A The Contractor shall provide all labor, materials and equipment for caulking and sealant work, and make all joints wind and weathertight, at the following general locations:

1. All joints between door, storefront and miscellaneous frames and masonry.
2. Silicone Sealant at Tub Room wall inside corner joints
3. Sawcut Scoring Joint between Chemically Stained Concrete Floor colors in the Retail area *(for chemically treated concrete floor)*
4. All joints where a wind and weathertight joint is required, including but not limited to exterior hose bibbs and other plumbing, mechanical, electrical and other utility penetrations through the exterior wall assembly, and roof and roof parapet penetrations
5. Rodent Control: All holes, gaps and meeting joints at exterior wall and tenant separation partitions greater than 1/4" in any dimension must be sealed so as to prevent rodent infiltration
6. All control joints at interior and exterior masonry and concrete
7. All control joints at interior gypsum wallboard partitions.
8. All sawcut control joints at interior and exterior concrete slabs.
9. All joints where a neat appearance is required between dissimilar materials.
10. Fire safing and fire sealant where fire separation assemblies are required, including but not limited to partitions at the underside of roof decking, and structural, plumbing, mechanical and electrical penetrations through fire separation wall assemblies.

1.03 SUBMITTAL: No product submittal is required for the work of this Section IF provided per the construction documents. Any Request for Product Substitution must be submitted per Section 01340- Submittals

1.04 WARRANTY:

A. Manufacturers' Warranties: The Contractor shall include the product manufacturers' standard warranties in the Building Maintenance Manuals submitted per Section 01700- Contract Closeout

B. Installer's Warranty: The Contractor shall include a copy of the installer's warranty for all work provided for a term of 1 year after the Date of Substantial Completion, in the Building Maintenance Manuals submitted per Section 01700- Contract Closeout

1.05 DELIVERY, STORAGE & HANDLING: Do not retain material at the jobsite that has exceeded the shelf life recommended by the manufacturer.

PART 2 PRODUCTS

2.01 MATERIALS:

A. Sealants: As manufactured by Tremco, Cleveland OH, or equivalent products manufactured by Dow Corning, Pecora, or Sonneborn.

- B. Typical Exterior Joints: "Tremco Dymeric" high performance epoxidized polyurethane meeting TT-S-00227E, Type II, Class A, 19-GP-24, ASTM C920-86. Provide manufacturer approved primer for joints contacting any anodized aluminum finish prior to installation of this product.
- C. Façade and Building Abutment Joints, above grade: Where new construction abuts existing adjacent construction (e. g. zero-lot-line conditions), provide precompressed, expandable above-grade wall joints equal to Greyflex System, closed cell foam, color black, in dimension size(s) as required for closure of field-verified voids, as manufactured by Emseal Joint Systems Ltd , Westborough MA (508-836-0280). Supplementary primary sealant as further specified in this section shall be applied as a secondary closure to this system unless otherwise approved by the PETCO Project Manager. *(if applicable)*
- D. Façade and Building Abutment Joints, below grade: Where new construction abuts existing adjacent construction (e.g zero-lot-line conditions), provide precompressed, expandable below-grade wall joints equal to Series 20H System of foam, epoxy adhesive and topcoat, in dimension size(s) as required for closure of field-verified voids, as manufactured by Emseal Joint Systems Ltd , Westborough MA (508-836-0280). *(if applicable)*
- E. Sealant at Façade and Building Abutment Joints, above grade: Provide sealant equal to Dynatrol II, Type II two-part polyurethane sealant, as manufactured by Pecora Corporation, Harleysville PA (800-523-6688) as a secondary closure to this joint system unless otherwise approved by the PETCO Project Manager. *(if applicable)*
- F. Typical Interior Joints: "Mono" one-part acrylic terpolymer sealant, meeting ASTM C834
- G. Interior Sawcut Scoring Joints at Retail Area: Provide Lithoseal Trafficalk-3G, sealant, (one) Color as selected by PETCO, by L.M. Scofield Company, Douglasville, Georgia and Los Angeles, California (800-800-9900) or the appropriate Division Office. *(for chemically treated concrete floor)*
- H. Joints in Metal Components: "Acoustical Sealant" non-drying synthetic rubber material for non-porous surfaces or product as specifically recommended by the metal products manufacturer.
- I. Glazing Compound: Refer to Section 08800- Glazing.
- J. Firestopping: Provide non-sag, one component sealant, meeting ASTM E814, ASTM 84, IEEE 634 and listed as UL 1479. The following are acceptable products: *(fire separation assembly, if applicable)*
 - 1. FIRECODE compound with THERMAFIBER Safing Insulation, by USG Corporation, Chicago IL (312-321-4221)
 - 2. FYRE-Shield Sealant, by Tremco, Beachwood OH (800- 321-7906).
 - 3. CAFCO TPS Firestop Putty, by Isolatak International, Stanhope NJ (201-347-1200)
- K. Sealant Colors:
 - 1. When the sealant is NOT painted by a subsequent construction operation as indicated on the drawings, the color for each sealant installation is to be selected to closely match the color of at least one of the adjacent surfaces. The PETCO Project Manager will be the judge as to the acceptability of the Contractor's proposed color selection.
 - 2. In concealed installations, use standard Color Gray or Black sealant.
 - 3. Should as acceptable color not be available from an approved substitute manufacturer not herein listed, except at additional charge, then the Contractor shall provide such

premium colors acceptable to the PETCO Project Manager at no additional cost to PETCO.

- 2 02 PRIMERS: Use only those primers that have been tested for durability on the surfaces to be sealed and are specifically recommended for this installation by the manufacturer of the sealant used.
- 2 03 BACKUP MATERIALS: Use only those backup materials that are non-absorbent, non-staining, and specifically recommended for this installation by the manufacturer of the sealant used.
- 2 04 MASKING TAPE: For masking around joints, provide an appropriate masking tape which will effectively prevent application of sealant on surfaces not scheduled to receive it, and which is removable without damage to substrate.
- 2 05 OTHER MATERIALS: Provide other materials, not specifically described but required for a complete and proper installation, as selected by the contractor subject to approval

PART 3 EXECUTION

- 3 01 SURFACE CONDITIONS: The Contractor shall examine the areas and conditions under which work of this section will be provided, shall correct conditions detrimental to the timely and proper completion of the work, and shall NOT proceed until unsatisfactory conditions are corrected.
- 3 02 PREPARATION: Prepare all adjacent surfaces to achieve acceptable surface for bond without damage to adjacent finishes.
- 3 03 INSTALLATION: Install Sealants and Caulking in strict accordance with the manufacturer's recommended installation procedures.

END OF SECTION

