

Product Name

VIP 5700 ACRYLIC ELASTOMERIC SEALANT (VP5710, VP5720)

Product Description

VIP 5700 Series Acrylic Elastomeric Gun Grade Sealants are paintable, interior/exterior, soap and water cleanup sealants for use with VIP Elastomeric Waterproof Coating Systems. Cured sealant is mildew resistant. VIP5710 Smooth White exceeds Federal Specification TT-S-00230C, Type II, Class B, and ASTM specification C-920, Class 12.5.

Available in: VP5710 Smooth White, VP5720 Textured White.

Basic Uses

Uses: Can be used to positively seal openings around windows, doors frames, flashing, plumbing and electric intakes, and non-structural movement cracks. Substrates includes but are not limited to masonry, brick, stucco, concrete, wood, metal, and previously painted.

Limitations

- Do not use for structural repairs.
- Do not apply when temperature of surface or air is below 50°F (10°C).
- If rain or threatening weather is expected within 8 hours, delay application until dry conditions exist.
- Never apply to frozen or frost covered substrates.
- Not for food contact surfaces.
- Allow “new” concrete to cure for 30 days before applying material.
- Avoid applying material if concrete is “hot” or registers a pH over 10.
- Do not apply product to wet or water saturated substrates or when the relative humidity is above 90%.
- Not for use below grade, or aquariums or for marine use below water line.
- Not to be used on stove pipes or fireplaces.
- Never mix with other materials.
- Do not use mineral spirits to clean equipment.



Technical Data: VP5710, VP5720

Technical Data	VP5710 (1)	VP5720 (1)	Test Method
Density (WPG/Lbs):	10.94 ± .10	11.6 ± .10	Lab Value
% Solids by Weight	75.4 ± 2%	75.9 ± 2%	Lab Value
Equilibrated Viscosity in Seconds/6 Fl.Oz.	10 ± 2 sec		Semco: 1/8" Orifice
Freeze/Thaw Stability	Pass	Pass	Lab Value - 5 Cycles
VOC (Carb Non Chem Curing N.A.)	<1.5%	< 1.5%	Calculated
VOC (less water and exempt compounds):	<19.0 g/L	<35.0 g/L	Calculated
Tack Time	65 min		ASTM C679
Slump	Zero		ASTM -D-2202
ASTM Specification(s)	C920 Class 12.5	No Spec	
SEALANT CHARACTERISTICS			
Tensile Properties			
Stress at 25% Elongation (psi)		15 ± 2	
Stress at 50% Elongation (psi)		25 ± 12	
Stress at 100% Elongation (psi)		45 ± 14	
Maximum Stress (psi)		151 ± 4	
Elongation to Break (%)		580 ± 26	
± 12.5% JOINT MOVEMENT (ASTM C-719)			

(1) Average value. Actual value may vary.

Surface Preparation

Masonry: Surface must be firm and free of dirt, oil, efflorescence, grease, mildew and loose material. Unsound masonry must be wire brushed or blasted for a firm surface. Dirt and loose contaminants are best removed by high pressure chemical and water blasting. To remove mildew, scrub with a solution of 3 heaping teaspoonful of Trisodium Phosphate (TSP), 1 quart of Hypochlorite Household bleach and 3 quarts of warm water (wear protective goggles and impervious gloves. Follow manufacturer's directions when working with cleaning solutions). Rinse thoroughly and allow to dry. Non-structural shrinkage cracks (larger than 1/16") and non-structural movement cracks (larger than 1/16" up to 1/4") must be treated and repaired accordingly. **Ferrous Metal:** Prime all ferrous metal with a high-quality rust-resistant primer or treat with rust converter. **Galvanized Metal:** New galvanized metal should be treated with a proprietary product intended for this purpose. Weathered galvanized needs no primer. **Plywood:** Surface should be clean and dry. Primer with a quality alkyd exterior wood primer as soon as possible. **Previously Coated Surfaces:** All surface contamination such as foreign matter, rust, mold, mildew, mortar, and efflorescence must be removed to assure sound bonding to the tightly adhering old paint. Spot prime all bare areas with the appropriate primer. Any chalk or porous coating not removed by pressure washing must first be sealed with an alkali resistant surface conditioner.

Method of Application

BACKING MATERIALS: In deep joints, sealant depth should be controlled with a closed cell "non-gassing" type backer-rod. Other caulks should not be used as fillers. Backer-rods should not be primed. Care should be taken to insure backer-rod is not punctured. When the depth of a joint does not permit the use of a backer-rod, a bond breaker (polyethylene strip) must be used to prevent three point bonding. **Joint Size:** Minimum joint width should be 1/8" and maximum joint width 1/2". The maximum depth of the sealant should not exceed 1/2" (do not apply more than 1/4" per application). Joints which exceed 1/4" in depth require the insertion of an appropriately sized backer rod. **Sealant Depth:** To maintain recommended sealant depth, backer-rod is installed by compressing and rolling into joint channel without stretching lengthwise. Backer-rod should be about 1/8" larger in diameter than the width of the joint to allow for compression. The foam becomes an integral part of the joint, since sealant does not adhere, and no separate bond breaker is required. **Painting:** Painting should only be undertaken when the sealant has cured, and then it is recommended that only a premium quality ELASTOMERIC coating be used for exterior application and that a premium grade NON-FLAT latex enamel be used for interior surfaces. Since substantial elongation will be taking place in the joint, a coating without the capabilities to elongate will most likely crack, causing what is known as an alligator effect on the surface. Although the waterproofing capabilities of the system will not be affected, it may detract from the building aesthetics.

Usage Rate:

- Yield per cartridge: 1/4" x 1/4" bead: 24 linear feet
- Packaging: 10.1 fluid oz. plastic cartridge.
- Packed 12 per carton.

Clean Up

Clean all equipment immediately after use with warm, soapy water.

Handling and Safety

Material Safety Data Sheets (MSDS) are available upon request from Momentive Performance Materials. Similar information for solvents and other chemicals used with Momentive Performance Materials products should be obtained from your suppliers. When solvents are used, proper safety precautions must be observed. Do not breathe mist. Use only in well ventilated area. Wear respiratory protection if exposure to vapor or mist from processing is possible. **KEEP OUT OF REACH OF CHILDREN.**

Warranty

Momentive Performance Materials warrants the performance of this product, provided it is properly stored and applied before the "use before" date shown. If not satisfied, return product and/or proof of purchase to address below and Momentive Performance Materials will, at its option, replace or refund the purchase price of this product. MOMENTIVE PERFORMANCE MATERIALS shall in no event be liable for any other damages in excess of the amount of the purchase price. **THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR DEFECTS IN, OR FAILURE OF, THIS PRODUCT, AND THE SOLE AND EXCLUSIVE LIABILITY OF MOMENTIVE PERFORMANCE MATERIALS COMPANY THEREFOR. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**