



# Acryl-R® SM5522 Acrylic Sealant

## TECHNICAL DATA

### PRODUCT DESCRIPTION:

Acryl-R® SM5522 is a solvent release acrylic compound. It exhibits good adhesion to most construction surfaces and remains ductile in the presence of ultraviolet and infrared radiation. SM5522 is a multi-purpose sealant designed for sealing exterior applications. After cure, it can be painted.

### ADVANTAGE:

- Excellent adhesion
- Bonds and seals a wide variety of surfaces
- Outstanding UV resistance – non yellowing
- Fast skinning
- Seals dissimilar substrates
- Permanently flexible
- Paintable / Mildew resistant
- Deglazeable / Reglazeable (window applications)
- Repairable – bonds to itself

### TYPICAL USES:

- Sealing exterior exposed mechanically fixed joints of metal building applications, skylights, metal flanged window frames, roof curbs and perimeter door joints.
- Sealing corner molding, fabricated roof-lap seam assemblies, and body-to-cab joints in mini-motor homes.
- Primary seal for “drop in” glazing details in wood, vinyl and aluminum windows. When fully cured will withstand uniform structural loading in excess of 130 psf (228 mph wind load).
- Waterproofing rivet seams and roof rails
- Sealing front and rear spoilers, auto trim, moldings, body seams, and weld joints.
- Sealing around openings in RV’s, buses, and trailers – windows, doors, skylights, air conditioners, etc.

### APPLICATION LIMITATIONS:

Not recommended for use as:

- a) A sealant where continuous water immersion resistance is required
- b) On special architectural finishes without pretesting for adhesion
- c) An expansion joint sealant
- d) A sealant on polycarbonate or acrylic surfaces when in tension
- e) A sealant where joint size exceeds 3/8” in width or depth.

### TYPICAL PROPERTIES:

Property	Typical Value	Test Method
Odor:	Aromatic solvent before cure; None after cure.	
Percent Solids:	75% Min. (Colors) 69% Min. (Clear)	ASTM D 1475
Viscosity:	40-60 Sec. (Colors) 35-45 Sec. (Clear)	ASTM D 2452 20 grams, 0.104” orifice, 60psi @ 77°F (2.64 mm, 0.414 N/mm <sup>2</sup> @ 25°C)
Flash Point:	52°F (11.1°C) (Colors) 40°F (4.44°C) (Clear)	ASTM D56 Tag Closed Cup
Elongation:	200% Min.	ASTM D412
Hardness:	55 Shore A	ASTM C 661
Peel Adhesion: (glass/aluminum)	5 pli minimum	ASTM C794
Slump:	0.10” max.	ASTM D2202
Vehicle Migration:	Passes	AAMA 800
VOC:	292 g/l (Colors) 346 g/l (Clear)	
Density	8.7 lbs/gallon (1.043 kg/l)	ASTM D1475
Paintability:	Compatible with most alkyds, enamels and lacquers after solvent release.	
Service Temperature Range:	0°F – 180°F (-17.77°C – 82.22°C)	
Shelf Life:	SM5522 has a shelf life of 18 months when stored in original closed containers at or below 80°F (26.67°C)	

### INSTALLATION:

Standard caulking guns or industrial pump and flow gun equipment with a 46:1 ratio chop check valve can be used successfully for compound application. Hoses from pumps or header system and all seals/packing must be of Teflon or polypropylene. Apply to clean dry surfaces. Cleaning of metal, glass or plastic surfaces should be by a solvent wipe procedure or by mechanical means. Detergent or soap and water cleaning treatments are not recommended. Protective films must be removed and cleaned with a solvent recommended by the manufacturer of the film or by other means which leaves no residue. In all cases where used, solvents shall be applied with one clean cloth or lintless paper towel, and the solvent wiped clean with a second cloth or towel. Cleaning solvents should not be allowed to air dry or evaporate without wiping. READ ALL LABELING BEFORE USING SOLVENTS. FOLLOW THE SOLVENT MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS FOR SAFE HANDLING.

Excessive uncured material is quickly removed from fabrications with isopropyl alcohol, aromatic or ketone type solvents. The use of these solvents (or other solvents) may be hazardous to your health. KEEP AWAY FROM OPEN FLAME. Tools and application equipment may be cleaned with the same solvent.

**COVERAGE:**

1/8" (3.17 mm) Diam. Bead.....1569 Feet (478m)/gal.
3/32" (3.96 mm) Diam. Bead.....1007 Feet (306.93 m)/gal.
3/16" (4.76 mm) Diam. Bead.....697 Feet (212 m)/gal.

**PRETEST FOR ADHESION:**

Pretest for adhesion is intended to eliminate potential field problems, by testing SM5522 with samples of substrates on which it will be applied. This testing will aid in determining the proper surface preparation method and effective solvents in cleaning and whether a primer is necessary to achieve optimum adhesion.

**PRECAUTIONS:**

If this product is used in direct contact or in close proximity with any other sealant or elastomer, a compatibility test must be conducted by the purchaser or user prior to acceptance. The suitability of this product, for each intended use, must be determined by the purchaser prior to acceptance. Avoid skin and eye contact. On contact, uncured sealant could cause irritation to the skin and eyes. In case of eye contact, flush eyes with warm water for 15 minutes, call a physician. For skin contact, remove sealant with a paper towel and wash thoroughly with soap and water for 15 minutes. If swallowed, DO NOT INDUCE VOMITING, call a physician. KEEP OUT OF REACH OF CHILDREN. This product is manufactured for industrial use only.

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