



Technical Data Sheet

**Window & Door 35 Yr Siliconized
Acrylic Sealant – 0846 Series**

Description

A siliconized acrylic caulking compound specially formulated for exterior use, product provides excellent adhesion to most common construction substrates.

Key Features

- Water Clean Up
- Mildew Resistant (cured bead)
- Easy Application & Tooling
- 35 Year Durability
- Meets requirements of ASTM C834-05
- Available in White & Colors
- Excellent Adhesion
- VOC Compliant

Uses

Excellent for sealing out the elements & increasing energy efficiency.

Surface Preparation

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax, loose paint & old caulking. Prime bare surfaces before caulking for best results. Remove mildew by scrubbing with a solution of 4 oz TSP (Trisodium Phosphate), 1 quart of liquid bleach mixed with 3 quarts of warm water. Protect eyes & hands by wearing goggles & chemical resistant gloves. Thoroughly rinse surface & allow to dry completely before caulking & painting.

Directions

1. Clip off tip of spout @ a 45 degree angle to desired size.
2. Load cartridge into caulking gun & apply using steady, even pressure to completely bridge joints.
3. Smooth caulk using a Red Devil Caulk Smoother or a damp cloth for a neat appearance.
4. Wipe away excess with a damp cloth before surface skins over.
5. Protect from exposure to rain or water for 72 hrs for adequate curing. May be painted in 2 to 6 hrs depending on climatic conditions (Larger beads, cooler temperatures & higher humidity will extend drying time).

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Weight Per Gallon	Gardner Cup	13.75 +/- 0.75
Specific Gravity	Calculated	1.65
Total Non Volatile % Solids (Weight)	Computrac Analyzer	80.5% +/- 2.5
Extrudability/Application (as packaged)	Semco Gun (6 oz @ 50 psi)	9 seconds +/- 3
Consistency/Appearance	Visual Observation	Smooth, viscous paste
pH (initial)	pH Meter	7 to 9
Odor	Subjective	Mild Acrylic
Base Polymer	Known	Acrylic Emulsion
Pigment	Known	Calcium Carbonate/TiO ₂
Siloxane Adhesion Promoter	Known	Yes
Flash Point	Closed Cup	Greater than 200F; Non-Flammable
Freeze/Thaw Stability	Test Lab 0 F/77 F @24 hrs or ASTM C731	Passes 5 Cycles
Shelf Life	Lab 50 C Oven – Accelerated	Minimum 1 yr @ 72F
Slump	ASTM D2202 Jig	0
Artificial Weathering	ASTM – QUV Tester	No Cracking @ 10,000 hrs QUV
Flexibility	Test Lab	Excellent @ 32F; Good @ 0F
Tack Free Time	ASTM D2377	< 1 hr
Storage Conditions	Test Lab	40F to 90F
Application Temperature	Test Lab	40F to 90F
Service Temperature	Lab Oven/QUV/Freezer/OE Fence	-20F to 180F
Tooling	Test Lab/Field Evaluation	Excellent
Paintability	Test Lab/Field Evaluation	Excellent @ 2 to 6 hrs drying – latex, Oil-based @ 24 hrs
VOC Content	Calculated	Approximately 3% by weight
% Elongation @ Break	Test Lab – D-412	250%
Extension/Recovery	Test Lab – C-736	>95%

Clean Up

Water & mild soap

For Best Results

- Apply caulk in temperatures between 40F (& rising) & 90F
- Store caulk between 40F & 90F
- Do not use for joints subject to heavy abrasion or wear
- Do not attempt to thin caulk
- Prime bare surfaces before caulking
- For a neat, straight bead edge, mask both sides of joint with masking tape. Remove promptly before skin forms
- Do not "overtool" the applied caulk, leaving too little caulk to perform, following cure
- Allow 2 to 6 hrs drying before painting, depending upon climatic conditions – latex; 24 hrs drying for oil-based
- Use a premium paint

Color

White, Almond, Cedar, Dark Brown, Gray, Black

Packaging

HDPE Cartridge

Limitations

- Apply only to clean, dry, frost-free surfaces
- Do not apply when rain or freezing temperatures are expected
- Protect from rain & exposure to water for 72 hrs
- Not recommended for use in marine applications, below grade applications or under water applications.
- Not recommended for use on automobiles or aquariums

Environmental, Safety & Transportation Information

<u>Criteria</u>	<u>Evaluation Method</u>	<u>Status</u>
<i>CARB Compliance</i>	<i>Documents Review</i>	<i>Yes</i>
<i>Prop 65 Ingredients</i>	<i>Documents Review</i>	<i>Yes (See MSDS)</i>
<i>DOT Proper Shipping Name</i>	<i>Review of Regs</i>	<i>Not Regulated by DOT</i>
<i>DOT Hazard</i>	<i>Review of Regs</i>	<i>N/A</i>
<i>DOT UN/NA Number</i>	<i>Review of Regs</i>	<i>N/A</i>
<i>Packing Group</i>	<i>Review of Regs</i>	<i>N/A</i>
<i>VOC Content</i>	<i>Calculated</i>	<i>< 1.5% by weight, < 25 g/L</i>

CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. KEEP FROM FREEZING. (See MSDS for additional information)

Contains Titanium Dioxide; added to Massachusetts Right to Know List, Minnesota Hazardous Substance List, New Jersey Right to Know List, Pennsylvania Right to Know List & Rhode Island Hazardous Substance List. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Non-white colors may contain carbon black in color dispersions.

LIMITED WARRANTY

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If when applied as directed, this material peels, cracks or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.

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SEE MSDS FOR ADDITIONAL DATA/INFORMATION