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# Technical Bulletin

Revised 11/18

## Poly-Sil – Multi-Colored RTV Silicone Sealant

**Packaging:** 6 fluid ounce cartridge (177 ML)

**Shelf Life:** 8 months

### Product Description:

Poly-Sil is an acetoxy cure silicone sealant. This professional grade RTV silicone sealant is mildew resistant and VOC compliant. It provides a watertight, flexible seal that won't crack, crumble or shrink. A great solution for a wide range of applications. Once cured, it's temperature range is -40° F to 400° F.

#### **Suggested Uses:**

##### ***Caulking and Sealing***

Counters  
Backsplashes  
Sinks & Plumbing Fixtures  
Kitchen / Bath Areas  
RV, Trailer, Marine  
Shower Stalls  
Wall Systems  
General Applications

#### **Adheres To:**

Glass  
Solid Surface  
Ceramic  
Porcelain  
Granite / Quartz  
Cultured Marble  
Engineered Stone  
Laminates  
Most Primed Metals\*  
Most Fabric / Textiles

\*Not recommended for use on brass, copper, iron, galvanized metals or other surfaces prone to attack by weak acids.

### Preparation For All Applications:

- Areas to be sealed should be thoroughly clean and dry. Remove all substances that inhibit silicone adhesion. Remove oils, soap, glue/adhesive debris, dust, loose caulk, solvent residue/residual.
- Joint width or depth should not exceed ½". If joint depth exceeds ½", use backer rod material.
- Application needs an area where silicone would be allowed to fully & properly cure, not a totally confined space.

## Common Limitations:

- Joints where abuse and abrasion are expected to be encountered.
- Joints should be above grade and not exposed to prolonged water immersion.
- Building materials that may bleed oils, plasticizers or solvents, i.e. Impregnated wood, green or partially vulcanized rubber, etc.
- Substrate and joint should be acclimated to the current application to reduce shifting, separation, shrinking or expanding.
- Silicone should be applied with air temperature between 40°F & 100°F.
- Store in temperatures below 100°F in a dry place.
- Many factors beyond Color Rite's control and uniquely within user's knowledge and control can affect the use and performance of the Silicone in a particular application. The user is solely responsible for evaluating the product and determining whether it is fit for user's particular purpose and adequately maintained.

## Application Directions:

Color of uncured and cured silicone does not vary. Sample of color should be tested prior to installation.

1. Completely prepare area for application, see guidelines above.
2. Apply tape to both sides of joint to create a straight edge. If you do not want to deal with the hassle of taping, **COLOR RITE'S PRE-TOOLING MIST** can be an easier alternative.
3. Cut cartridge tip just above threads.
4. Thread nozzle onto cartridge.
5. Cut nozzle to desired bead size.
6. Apply silicone sealant to desired area.
7. Tool as desired immediately after application. Tooling should be done in timely manner to avoid skin over. Silicone will skin over within approximately 5 minutes. Dries to touch in 1 hour, and cures and bonds in 24 hours. Allow 7 days for maximum cure.
8. Remove any masking tape immediately after tooling.

## CALIFORNIA USERS - PROP 65:

**⚠WARNING!** This product can expose you to chemicals such as Titanium Dioxide (13463-67-7) which is known to the State of California to cause cancer, and Ethylene Glycol (107-21-1) which is known to the State of California to cause birth defects or other reproductive harm.

For more information go to [www.P65Warnings.ca.gov/product](http://www.P65Warnings.ca.gov/product)



**Pre-Tooling Mist is available in 3 convenient sizes:**

- 4oz Accessory Pack
- Quart Spray Bottle
- Gallon Refill