



A brand of **ITW** Polymers Adhesives North America

## Technical Data Sheet

4/29/2010

# Silite RTV®

**Description:** A Silicone adhesive/sealant compound for sealing, caulking, bonding, and making gaskets.  
**Intended Use:** Weather-proofing electrical components, caulking plumbing fixtures, sealing glass, and making form-in-place gaskets.  
**Product features:** **Flexible from -60 °F to 450 °F (white & clear)**  
**Moisture curing**  
**Flexible from -60 °F to 500 °F/ 600 °F intermittent (Red)**  
**Resistant to weather and chemicals**

**Limitations:** None

**Typical Physical Properties:** *Technical data should be considered representative or typical only and should not be used for specification purposes.*

### Cured 7 days @ 75 ° F

**Cured hardness** 30 Shore A

### TESTS CONDUCTED

Dielectric Constant ASTM D 150  
 Maximum Elongation ASTM D 412  
 Tensile Strength (Urethanes) ASTM D 412  
 Dielectric Strength, volts/mil ASTM D 149  
 Tear Resistance ASTM D 624  
 Volume Resistivity , ohm/cm ASTM D 149

### Uncured

**Color** Clear, White, or Red  
**Coverage/lb** 100 linear ft.  
**Density** 1.05 gm/cm(3)  
**Dielectric Constant** 2.8  
**Dielectric Strength** 375 volts/mils  
**Elongation** 600%  
**Tangent Loss** 10(3)  
**Tear Resistance** 47 pli  
**Tensile Strength** 400 psi  
**Viscosity** Non-sag gel up to 3/4"  
**Viscosity** 300,000 - 400,000  
**Volume Resistivity** 7x10(13) ohm/cm

**Surface Preparation:** Clean surface by solvent-wiping any deposits of heavy grease, oil, dirt, or other contaminants. Surface can also be cleaned with industrial cleaning equipment such as vapor phase degreasers or hot aqueous baths.

**Mixing Instructions:** Mixing is not applicable to this product.

**Application Instructions:** Clip tip of cartridge back to desired thickness. Drop into the caulking gun and squeeze trigger.

**Storage:** Store at room temperature, 70 °F.

**Compliances:** Meets USDA, FDA 177.2600. Meets MIL-A-46106A Group 1, Type 1, NSF ANSI 51

*Chemical resistance is calculated with a 7 day, room temp. cure (30 days immersion) @ 75 °F*

**Chemical  
Resistance:**

*Chemical resistance is calculated with a 7 day, room temp. cure (30 days immersion) @ 75 °F)*

Ammonia	Fair
Ammonium Hydroxide 20%	Very good
Cutting Oil	Very good
Ethanol	Excellent
Gasoline (Unleaded)	Poor
Glycols/Antifreeze	Very good
Hydrochloric 10%	Poor
Hydrochloric 36%	Poor

Methanol	Fair
Motor Oil	Poor
Nitric 50%	Fair
Potassium Hydroxide 20%	Excellent
Sodium Hydroxide 10%	Excellent
Sodium Hydroxide 50%	Excellent
Sodium Hypochlorite	Very good
Sulfuric 10%	Very good

**Precautions:**

Please refer to the appropriate material safety data sheet (MSDS) prior to using this product.

**For technical assistance, please call 1-800-933-8266**

**FOR INDUSTRIAL USE ONLY**

**Warranty:**

Devcon will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

**Disclaimer:**

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Devcon makes no representations or warranties of any kind concerning this data.

**Order  
Information:**

**17100 Clear3 oz.**  
**17140 White10.3 fl oz.**  
**17130 Red 10.3 fl oz.**  
**17150 Clear10.3 fl oz.**