



## US-SL-15003

### Self-Leveling Acetoxy Cure Silicone RTV Liquid Adhesive Coating

**US-SL-15003** is a 1-part silicone RTV developed for coating applications. It offers unprimed adhesion to many metals and plastics. When cured, results in a very flexible and durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperatures.

#### Product Features

- Fast Room Temperature cure
- Self-leveling liquid RTV
- Adhesion to metals and many plastics
- Temperature range -65°C to +250°C

**Color:** Translucent (custom colors available upon request)

#### Typical Applications

- Coating assemblies
- Industrial sealing
- Thin section potting & encapsulation

#### Typical Properties

##### Uncured

Viscosity, cps 30,000-40,000      Specific Gravity 1.03      Consistency : self leveling liquid  
Working time, mins. at Room Temperature: 8  
Tack Free Time, mins. at Room Temperature: 14

##### Cured 72 Hours at Room Temperature

Tensile Strength, PSI 325      Elongation, % 325      Durometer, Shore A 25  
Peel Strength, PPI 40

**Method of Application:** Dip or dispense coating onto assembly, allow product to cure.

**Chemical cure system:** Acetoxy cure system

**Curing:** Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber coating.

**Packaging:** Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

**Solids:** 98% solids, contains no solvents

**Adhesion:** Primerless adhesion to most plastics, metals and typical substrates.

**Service temperature:** -65°C to +250°C

**Limitations:** Do not use product on head gaskets, or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Insure enough product remains between flanges to be effective in an assembly.

**Handling and safety:** For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

**Shelf-life:** Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.  
Applicable standards  
Conforms to: MIL-A-46106B Type II Group I