



US-SL-18003

Self-Leveling Neutral Cure Liquid Silicone RTV Adhesive Coating

US-SL-18003 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 durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperature.

Product Features. Fast Room Temperature cure. Self-leveling liquid RTV. Neutral cure. 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: 10

Tack Free Time, mins. at Room Temperature: 20

Cured 72 Hours at Room Temperature [Download PDF for Electrical Specifications*](#)

Tensile Strength, PSI 300

Elongation, % 300

Durometer, Shore A 25

Peel Strength, PPI 40

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

Chemical cure system. Oxime 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, 8 lb. containers, 40 lb. pails and 440 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 in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

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.