

US-SCC-10000

Self-Leveling Silicone RTV Conformal Coating

US-SCC-10000 is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to many metals and plastics. Combines high flexibility with a neutral oxime cure system to provide a durable silicone adhesive coating.

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: Clear (custom colors available upon request)

Typical Applications

- Conformal coating of assemblies
- Industrial sealing
- Thin section potting & encapsulation

Typical Properties

Uncured

Viscosity, cps: 10,000
 Specific Gravity: 1.03
 Consistency : low viscosity 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: 200
 Elongation, %: 300
 Durometer, Shore A: 25

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 conformal coating.

Packaging: Available in 8 lb. containers, 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 metals and many plastics

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.