US-SCC-600SC Self-Leveling Silicone RTV Adhesive Coating

US-SCC-600SC is a 1-part silicone RTV developed for conformal coating and seam filling 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

- Very 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 in thin films (custom colors available upon request)

Typical Applications

- Conformal Coating
- Industrial Sealing
- Thin Section Potting & Encapsulation

Typical Properties

Uncured

Viscosity, cps 500 Specific Gravity .98 Consistency : self leveling liquid Working time, mins. at Room Temperature: 5 Tack Free Time, mins. at 150C: 30 seconds

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, dispense or spray 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.