

US-SCC-100010 Conformal Coating RTV

US-SCC-100010 is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. High flexibility is combined with an oxime cure to result in a durable silicone conformal coating.

Product Features

- Low Viscosity
- Neutral Cure
- Fast room temperature cure
- Self-leveling liquid RTV
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting and encapsulation

Color: Clear (custom colors available upon request)

Service temperature: -65°C to +260°C

Typical Properties

Uncured

Specific Gravity: 0.98

Viscosity: 1,000 cps.

Tack Free Time at Room Temperature: 20 minutes

Cured 24 Hours at Room Temperature

Download PDF for Electrical Specifications

Durometer, Shore A: 10

Method of Application: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

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

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

Limitations: Do not use product in fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

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

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.