

## US-SCC-100017 Conformal Coating RTV

**US-SCC-10017** 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 +250°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: 17

**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.