

## US-SCC-600QC

**US-SCC-600QC** is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to many metals and plastics. High flexibility is combined with an oxime cure system to result in a durable silicone conformal coating.

### Product Features

- Fast Room Temperature cure
- Faster heat accelerated cure
- Self- leveling liquid RTV
- Neutral cure
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Temperature range -65°C to +250°C

**Color:** Translucent (custom colors available upon request)

### Typical Applications

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

### Typical Properties

#### Uncured

Viscosity, cps: 600	Specific Gravity: .98	Consistency : self leveling liquid
Skin over at Room Temperature: 4 minutes	Tack Free Time, at Room Temperature: 20 minutes	
Skin Over at 150C: <1 minutes	Tack Free at 150C: <3 minutes	

**Cured - Room Temperature** [Download PDF for Electrical Specifications\\*](#)

Durometer, Shore A: 30  
 Dielectric Strength KV/mm: 20  
 Dielectric constant: 3.1  
 Dissipation Factor: .01  
 Volume Resistivity:  $4 \times 10^{15}$

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

**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 8 lb. containers, 40 lb. bladder bags and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

**Solids:** 80% solids

**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.