



## US-HC-468

### Heat Cure 1 Part Self Leveling Adhesive Sealant

**US-HC-468** is a 1-part, heat cure silicone developed for conformal coating applications. Offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

#### Product Features

- Neutral Addition Cure
- Fast Heat Cure
- Self-leveling liquid
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

#### Product Applications

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

**Chemical cure system:** Platinum catalyzed, addition cure system.

#### Typical Properties

##### Uncured:

Specific Gravity: 0.98                      Color: Clear  
Solids: 100 %                                Shelf Life: 12 MONTHS  
Viscosity: 230 cps.  
Tack Free Time at 110°C: 15 minutes

##### Cured 20 Minutes at 110°C:

Dielectric Strength kv/mm: 13  
Dielectric Constant: 2.4  
Dissipation Factor at 1kHz: 0.001  
Thermal conductivity: 0.0005

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

**Curing:** Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

**Handling precautions:** Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

**Solids:** 100% solids, contains no solvents

**Adhesion:** This product offers primer-less adhesion to plastics, metals and typical substrates.

**Service temperature:** -65°C to 250°C continuous

**Limitations:** Do not use product in solvent or 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 irritates eyes and skin. Refer to MSDS.

**Shelf-life:** Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

**Applicable standards:** Conforms to GM low volatility requirements.