



US-FC-18003

VERY FAST CURE Self-Leveling Silicone RTV Adhesive Coating

US-FC-18003 is a 1-part silicone RTV developed for coating and seam filling applications. It offers unprimed adhesion to many metals and plastics. When cured, results in a very flexible and durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Very fast Room Temperature cure
- Neutral Cure
- Self-leveling liquid RTV
- Adhesion to metals and many plastics
- Temperature range -65°C to +250°C

Color: Translucent (custom colors available upon request)

Typical Applications

- Coating assemblies
- Seam filling in construction operations
- Industrial sealing
- Thin section potting & encapsulation

Typical Properties

Uncured

Viscosity, cps: 30,000-40,000 Specific Gravity: 1.03
 Consistency: self leveling liquid
 Tack Free Time, in minutes at room temperature: 5

Cured 72 Hours at Room Temperature

Tensile Strength, PSI: 300 Elongation, %: 300
 Durometer, Shore A: 25 Peel Strength, PPI: 40

Method of Application: Dip or dispense 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 3oz 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: Primer-less adhesion to most plastics, metals and typical substrates.

Service temperature: -65°C to 250°C

Limitations: Do not use product in fuel or solvent immersion applications. 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.