



US-FC-1299

Fast Cure Silicone RTV Adhesive Sealant

US-FC-1299 is a fast curing silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Fast onset of adhesion
- Neutral cure

Typical Applications

- Industrial Bonding
- Assembly line adhesive
- Adhesive Sealant

Color: Translucent (custom colors available upon request)

Service Temperature: -65°C to 260°C

Typical Properties

Uncured

Viscosity, cps: 100,000 Specific Gravity: 1.12 Consistency: light paste
Working time, in minutes, at Room Temperature: 8
Tack Free Time, in minutes, at Room Temperature: 20

Cured - Room Temperature

Tensile Strength, PSI: 450 Elongation, %: 350
Durometer, Shore A: 30 Peel Strength, PPI: 20

Method of Application: Dispense product onto part and mate parts. Be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

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 after exposure to ambient humidity, a room temperature cured elastomer with high adhesive properties is formed.

Adhesion: Primer-less adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges or bonded parts to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, 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.