



US-FC-9021

US-FC-9021 is a fast curing silicone RTV adhesive rubber developed for bonding applications requiring fast development of physical properties. This is a 2-Part silicone that when applied to the substrate and cured allows handling of the bonded assembly within minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in automatic dispensing equipment.

Product Features

- Fast room temperature cure
- 2-part 1:1 mix RTV
- Thixotropic
- Temperature range -45°C to 250°C

Color: Black (custom colors available upon request)

Typical Applications

- Component bonding
- Gasket fabrication

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured Viscosity, cps: 35,000 Specific Gravity: 1.30 Consistency mixed: thixotropic paste
 Working time at Room Temperature: 6 minutes
 Tack Free Time at Room Temperature: 10 minutes

Cured

Tensile Strength, PSI: 300
 Elongation, %: 300
 Durometer, Shore A: 30
 Thermal Conductivity W/m °K: 0.0005
 Coefficient of Thermal Expansion: 20×10^{-5}

CURE SPEED OPTIONS

	<u>Standard</u>	<u>Fast</u>
WORK TIME at Room Temperature	10min	2min
CURE TIME at Room Temperature	30min	15min

Mixing Instructions: The preferred method of mixing and application is through a static mixer at a 1:1 mix ratio by volume.

Handling precautions: This is a Platinum Cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.

Depth of cure vs time: In 30 minutes, any depth of application filled with this product will be cured and fully encapsulated.

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

Service temperature: -45°C to +250°C

Limitations: Do not use product on head gaskets or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 400 ml. cartridges, 40 lb. pail kits and 400 lb. drum kits. 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 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.