



# US-SP-9018

## Thixotropic Deep Section Cure Silicone Adhesive Paste

**US-SP-9018** is a fast curing, thixotropic adhesive silicone RTV. This is a 2-part RTV that when mixed, applied and cured, results in a silicone adhesive sealant rubber to be formed within 10 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

### Product Features

- Fast deep section, neutral cure
- Thixotropic paste
- Excellent adhesion and conformation to plastic, metal and glass parts
- Self priming adhesive sealant

### Typical Applications

- Large bonding applications
- Fixturing adhesive
- Deep section cure adhesive

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

**Service temperature:** -45°C to 250°C continuous

### Typical Properties

#### Uncured:

Viscosity, cps 90,000                      Specific Gravity 1.08  
 Consistency: Thixotropic paste      Working time at Room Temperature: 120 minutes  
 Cure Time at 150 C: 10 minutes

#### Cured 10 minutes at 150C: - [\\*Download PDF for Electrical Specifications\\*](#)

150 C 10 minutes  
 Hardness, Shore A 24  
 Tensile, PSI 500  
 Elongation, % 450  
 Tear Strength, PPI 100  
 Peel Strength, PPI 100

### CURE SPEED OPTIONS

	Standard	Fast	Very Fast
WORK TIME at Room Temperature	>120min	20min	2min
CURE TIME at Room Temperature	24hrs	1.5hrs	15mins

**Mixing Instructions:** The preferred method of application is robotically through a static mixer.

**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:** Very firm deep section cures are formed with heat in 15 minutes. Ultimate cured properties are found in 24 hours.

**Chemical Cure System:** Addition Cure System

**Packaging:** Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 400 ml. dual syringes, 8 lb., 40 lb. and 400 lb. kits. This product is also available in customer defined packaging sizes, upon request.

**Solids:** >99% solids, contains no solvents

**Adhesion:** Primerless adhesion to most plastics, metals and typical substrates.

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

**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.

**Shelf-life:** Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70 F.