



US-SRB-201 & US-SRB-201-HE Fast Cure Silicone Rubber Parts Bonder

US-SRB-201 is a fast curing, high strength, 1-part acetoxy silicone RTV adhesive rubber products developed for silicone rubber bonding. Both products are designed for situations requiring fast development of physical properties. **US-SRB-201-HE** is intended for applications demanding very high elongation (over 1000%). 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 silicone rubber parts
- Very high elongation silicone rubber
- Convenient, heat accelerated
- instant cure capability

Color: Transparent (custom colors available upon request)

Typical Applications

- Silicone rubber bonding and splicing
- Silicone component fabrication
- Prosthetic assembly and repair

Typical Properties

Uncured

Viscosity, cps: 500,000 Specific Gravity: 1.12 Consistency : thixotropic paste
 Working time, mins 4 Tack Free Time, mins. 12
 Application Rate, 90 PSI, g/min. 2503mm orifice at 0.6 MPa

BOTH Cured - Room Temperature

Physical Properties

	201	201 HE
Tensile Strength, PSI	750	700
Elongation, %	750	>1000
Durometer, Shore A	40	30
Peel Strength, PPI	100	100
Tear Strength, PPI	100	100
Thermal Conductivity: 0.0005		
Coefficient of Thermal Expansion: 20 x 10 ⁻⁵		

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

Heat Accelerated Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured elastomer exhibiting outstanding adhesion.

Packaging: 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes upon request.

Chemical cure system: Acetoxy cure system

Solids: 98% solids, contains no solvents

Service Temperature: -45°C to +260°C

Adhesion: Primerless adhesion to silicone rubber parts.

Limitations: Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges 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 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.