**Silicone & Epoxy Technology NY**

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**Set Sil-Bond**

**Fast Cure Silicone Rubber Parts Bonder**

**Product Description**

Sil-Bond is a fast curing, high strength, 1-part

**Typical Properties**

Color: Translucent

Viscosity/cps: 500,000

Specific Gravity: 1.12

Consistency: Thixotropic Paste

Working Time: @ RT 4 Minutes

Tack Free Time: @ RT 12 Minutes

Application Rate: 90 PSI 250g/min

Cure Time: 72 Hours @ RT

Durometer 40: Shore A

Tensile Strength: 750 PSI

Elongation: 750%

Peel Strength: 100 PPI

Tear Strength: 100 PPI

Lap Shear Strength: 330 PSI

Dielectric Strength: 500 V/mil

Dielectric Constant: 2.8

Dissipation Factor: 0.001

Volume Resistivity: 2.0 x 1014

Thermal Conductivity: 0.0005

Coefficient of Thermal: 20 x 10-5 Expansion

acetoxy silicone RTV adhesive rubber product

developed for tin or platinum silicone rubber bonding. It also bonds to other substrates including some plastics (urethane), plasters/ceramics, fabrics, etc. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Sil-Bond works well in manual and automatic dispensing equipment.

**Product Features**

* Fast RT cure
* Excellent unprimed adhesion to silicone rubber parts
* Thixotropic paste
* Can be colored with Silc-Pig Colorants
* **Cured** Sil-Bond is certified skin safe. **IMPORTANT - Do not apply to skin in liquid form.**

**Typical Applications**

* Silicone rubber bonding and splicing
* Silicone component fabrication
* Prosthetic assembly and repair
* Animatronics

**Chemical Cure System**

* Acetoxy

**Curing**

Cure speed can be accelerated with increased humidity and heat to very rapid cure times. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured rubber is formed.

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**Solids**

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as warranty, either expressed or applied. User shall rely on his/her own information and tests to determine suitability of the product for the intended use, and the user assumes all risk and liability resulting from the use of this product. Manufacturer’s sole responsibility shall be to replace that portion of product that the manufacturer proves to be defective. Manufacturer shall not be liable to the buyer or any third party for injury, loss or damage directly or indirectly resulting from the use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding by the manufacturer.

This product has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses which implantation within the human body is intended.

98% solids

**Adhesion**

Excellent unprimed adhesion to silicone

rubber parts.

**Service Temperature**

-45 to 260°C

**Limitations**

Allow to fully cure before putting assembly

In to 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 the SDS.

**Shelf Life**

Sealed containers are guaranteed for 12 months

from the ship date when stored in a cool dry area below 70°F.

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