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Skin-Bond

Skin-Bond is a fast curing high strength 1-part acetoxy silicone RTV adhesive rubber product developed for silicone bonding. It is designed for situations requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. **Skin-Bond** works well in manual and automatic dispensing equipment.

Skin-Bond features Fast Room Temperature cure, Thixotropic Paste, Excellent Unprimed Adhesion to silicone rubber parts, and is capable of Convenient Heat Accelerated Instant Cure. Typical applications include Silicone Rubber Bonding and Splicing, Silicone Component fabrication, and Prosthetic Assembly and Repair.

Properties-Uncured:

Color, Visual	Translucent
Viscosity, cps	500,000
Specific Gravity	1.12
Consistency	Thixotropic Paste
Working Time, minutes	4
Tack Free Time, minutes	12
Application rate 90 psi, g/min 3mm orifice @ 0.6 MPa	250

Physical Properties-Cured @ R.T.:

Tensile Strength, psi	750
Elongation, %	750
Durometer (Shore A)	40
Coefficient of Thermal Expansion, °C	20 x 10⁻⁵
Peel Strength, ppi	100
Tear Strength, ppi	100
Service Temperature Range	-50°F (-41°C) to 400°F (204°C)

Method of Application:

Dispense sealant onto part and mate parts. Do not squeeze the product out of flange assembly. Allow to cure. Heat Accelerated Curing involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

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Heat Accelerated Curing

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

Skin-Bond is available in 1/2 oz. (14 gram) and 2.8 fluid oz. (78.4 gram) tubes.

Chemical cure system

Acetoxy cure system

Solids

98% solids, contains no solvents

Adhesion

Primerless adhesion to silicone rubber parts.

Limitations

Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between components 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 are guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Precautions

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.

As Silicone & Epoxy Technology has no control over use to which others may put the material, it does not claim or warrant that in your particular circumstances the results you will obtain from the use of the product will be the same as those described in this communication, or that you will find the information or recommendations complete, accurate, or useful.

WARRANTY

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