

SILICONE SOLUTIONS

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SS-5001

Product Description

SS-5001 is a 1-part silicone RTV developed for coating applications. SS-5001 offers unprimed adhesion to many metals and plastics. When cured, SS-5001 results in a very flexible and durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- ◆ Fast R.T. cure
- ◆ Self-leveling liquid RTV
- ◆ Adhesion to metals and many plastics
- ◆ Temperature range -65 to 250C

Color: Translucent
(custom colors available upon request)

Typical Applications

- ◆ Coating assemblies
- ◆ Industrial sealing
- ◆ Thin section potting & encapsulation

Self-Leveling Silicone RTV Adhesive Coating

Typical Properties

UNCURED

Viscosity, cps	30,000-40,000
Specific Gravity	1.03
Consistency :	self leveling liquid
Working time, mins. @ R.T.:	8
Tack Free Time, mins. @ R.T.:	14

CURED - R.T.

Cured -72 Hrs. @ R.T.	
Tensile Strength, PSI	325
Elongation, %	325
Durometer, Shore A	25
Peel Strength, PPI	40

Method of Application

Dip or dispense coating onto assembly, allow product to cure.

Chemical cure system

Acetoxy cure system

Curing

Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber coating.

Packaging

SS-5001 is available in 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids

98% solids, contains no solvents

Adhesion

Primerless adhesion to most plastics, metals and typical substrates.

Service temperature

-65 to 250C

Limitations

Do not use product on head gaskets, or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Insure 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 are guaranteed for 1 year from the ship date when stored in a cool dry area below 70 F.

Applicable standards

**Conforms to:
MIL-A-46106B Type II Group I**

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 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 of 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.

**** Customized versions available upon request ****