

SILICONE SOLUTIONS

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SS-2577

Product Description

SS-2577 is a 1-part silicone RTV developed for conformal coating applications. SS-2577 offers unprimed adhesion to metals and many plastics. High flexibility is combined with an oxime cure system to result in a durable silicone conformal coating.

Product Features

- ◆ Neutral Cure
- ◆ Fast room temperature cure
- ◆ Faster heat accelerated cure
- ◆ Self-leveling liquid RTV
- ◆ Fluoresces under UV light to enable coating inspection
- ◆ Adhesion to metals and many plastics

Product Applications

- ◆ Coating electronic assemblies
- ◆ Industrial coating and sealing
- ◆ Thin section potting and encapsulation

Color: Clear

(custom colors available upon request)

Service temperature

-65 to 250C

Conformal Coating RTV

Typical Properties

UNCURED

Specific Gravity	0.98
Viscosity	600 cps.
Skin Over @ R.T.	4 minutes
Tack Free Time @ R.T.	< 10 minutes
Skin Over @ 150C	< 1 minute
Tack Free Time @ 150C	< 3 minutes

CURED - R.T.

Cured - 2 hrs. @ R.T.	
Durometer, Shore A	30
Dielectric Strength KV/mm	20
Dielectric Constant	3.1
Dissipation Factor	.01
Volume Resistivity	4x10 ¹⁵

Method of Application

Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Chemical cure system

Oxime cure system

Solids

80% solids

Curing

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

Adhesion

Primerless adhesion to most plastics, metals and typical substrates.

Limitations

Allow to fully cure before putting assembly into service.

Packaging

SS-2577 is available in 8 pound gallon cans, 40 lb. bladder bags in pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

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.

Compatibility

Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Shelf-life

Sealed containers are guaranteed for 6 months year from the ship date when stored in a cool dry area below 70 F.

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 implied. 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 ****