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SS-1C51

Product Description

SS-1C51 is a 1-part silicone RTV developed for conformal coating applications. SS-1C51 offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

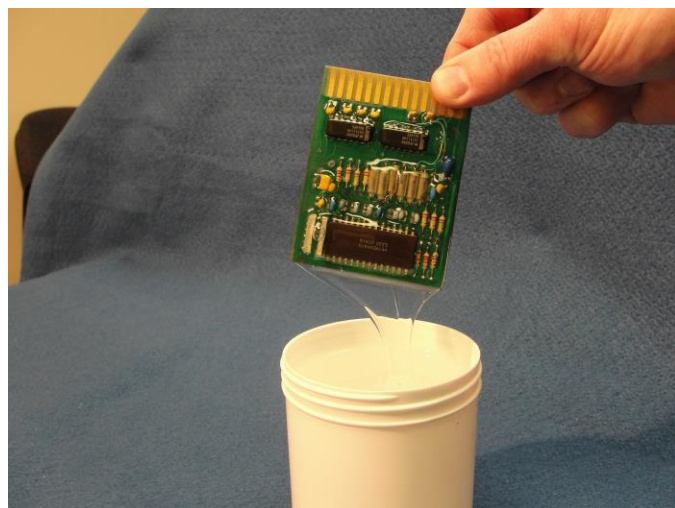
- Fast heat cure
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics

Typical Applications

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

Chemical Cure System

Platinum Catalyzed



Conformal Coating RTV

Typical Properties

Color	Clear
Viscosity, cps	400
Specific Gravity	0.98
Consistency	Liquid
Tack Free Time @ 130°C	15 Minutes
Cure Time @ 130°C	20 Minutes
Durometer	30 Shore A
Dielectric Strength	13 KV/mm
Dielectric Constant	2.4
Dissipation Factor	0.01
Volume Resistivity	2.0 x 10 ¹⁴
Thermal Conductivity	0.0005
Coefficient of Thermal Expansion	20 x 10 ⁻⁵

Curing

Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Solids

100% solids .

Handling Precautions

Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines, as cure system can be deactivated.

Limitations

Do not use in a solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

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 6 months 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 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.

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