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SS-1801

Product Description

SS-1801 is a fast curing silicone RTV adhesive rubber developed for radiator sealing applications that require fast development of physical properties and excellent adhesion. SS-1801 is a 2-part, 1:1 mix ratio silicone that when mixed and applied to the substrate allows handling of the coated radiator assembly within minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. SS-1801 works well in static mix dispensing equipment.

Product Features

- Highest OAT fluid resistance
- Fast deep section cure
- Self-leveling RTV
- Neutral cure
- Excellent unprimed adhesion to metal radiator assemblies
- Convenient 1:1 mix ratio
- Long term high temperature stability in the field

Typical Applications

- Adhesive sealing of metal parts
- Assembly line coating
- Radiator and charged air cooler adhesive sealer coating



Radiator Coating Liquid RTV

Typical Properties

Color	Silver
Viscosity, cps	10,000
Specific Gravity	1.25
Consistency	Fast Gelling liquid
Work Time @ RT	<10 Minutes
Tack Free @ RT	15 Minutes
Durometer	25 Shore A
Tensile Strength	150 PSI
Elongation	200%
Peel Strength	40 PPI
Lap Shear Strength	100 PSI
Thermal Conductivity	0.0005
Coefficient of Thermal Expansion	20 x 10 ⁻⁵

Chemical Cure System

Alkoxy

Mixing Instructions

The preferred method of mixing and application of SS-1801 is through a static mixer at a 1:1 mix ratio by volume. The substrates should be held in place for 10 minutes while the adhesive is curing.

Depth of Cure vs Time

Very firm deep section cures are formed in 15 minutes. Ultimate cured properties are found in 24 hours.

Solids

99% solids

Limitations

Allow to fully cure before putting assembly into service.

Packaging

SS-1801 is available in dual syringes, 18 lb pail kits, 90 lb pail kits and 1000 lb drum kits. This product is also available in customer defined packaging sizes, 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 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 and above 32°F.

Applicable Standards

Conforms to GM low volatility requirements.

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*****