



US-UV-15249

UV Dual Cure Thixotropic Paste RTV

US-UV-15249 is a UV dual cure, high strength acetoxy silicone RTV adhesive rubber developed for UV applications. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within seconds. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -65°C to 260°C
- Secondary moisture cure for shadow areas

Typical Applications

- Assembly line adhesive
- Form in place gaskets
- Adhesive Sealant

Color: Translucent (custom colors available upon request)

Service Temperature: -65°C to +260°C

Typical Properties

Uncured:

Viscosity: 500,000 cps. Specific Gravity: 1.12
 Consistency: thixotropic paste

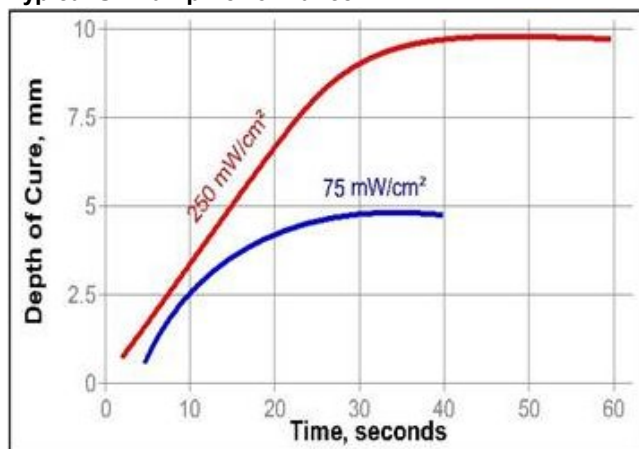
Cured 24 Hours at Room Temperature:

Tensile Strength, PSI: 500 Elongation,%: 300
 Durometer, Shore A: 50 Peel Strength, PPI: 50
 Tear Strength, PPI: 50 Thermal conductivity: 0.0005
 Coefficient of Thermal Expansion: 20×10^{-5}

UV Accelerated Curing

A short term UV exposure followed by a secondary, moisture cure results in cured elastomer exhibiting outstanding adhesion.

Typical UV Lamp Performance



Method of Application: Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system: UV Acrylic with a secondary, Alkoxy moisture cure system.

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: FOR MAXIMUM SHELF LIFE THIS PRODUCT MUST BE FROZEN. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

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

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. 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 irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.