

US-LD1 / US-18B / US-ESD

Fast Cure Silicone RTV Coating – Liquid Dip

US-LD1 / US-18B / US-ESD is a fast curing silicone RTV coating rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Excellent unprimed adhesion to many composites, metals and glass
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to +260°C

Typical Applications

- Industrial Coating
- Coating gaskets
- Adhesive Sealant

Color: Red or Black
(US-18B is Clear)
Low VOC version is available

Typical Properties

Uncured

Viscosity, cps: 3,000
Specific Gravity: 1.02
Consistency: liquid

Cured 24 Hours at Room Temperature

Tensile Strength, PSI: 100
Elongation, %: 300
Durometer, Shore A: 39

Method of Application: Spray onto or dip parts into liquid. Allow to cure.

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 high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Available in 4 and 16 oz wide mouth jars, 1 gallon and 5 gallon jugs, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Service Temperature: -65°C to +260°C

Adhesion: Primerless adhesion to most metals and typical substrates.

Limitations: 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.

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. Cure well ventilated areas only. 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.