

Fine-L-Kote High Viscosity SR Silicone Conformal Coating

Product# 2102-HV

Product Description

Silicone Conformal Coating is the most universal coating, offering protection for a wide variety of environments.

Features / Benefits

- UL recognized - file #E475454
- Max operating temperature to 392°F (200°C)
- Non-ozone depleting
- Dielectric strength 1100 volts/mil
- Moisture resistant
- Chemically resistant
- Vibration resistant flexible
- Meets IPC-CC-830B & MIL-I-46058C
- UL94 V-0

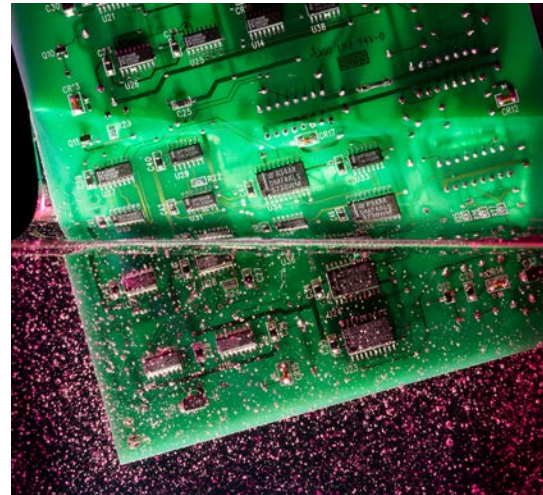
Usage Instructions

For industrial use only. Read MSDS carefully prior to use. Before applying Fine-L-Kote™ conformal coatings, clean circuit boards to remove contamination and allow to dry. Cleaning may be performed with Techspray G3, E-LINETM and Precision-V defluxers.

Spray Application: Apply top to bottom, allowing coating to flow evenly around components. Rotate PCB 90° and repeat application. Rotate and apply coating two additional times, then allow board to cure. If additional thickness is desired, apply additional coatings. When using liquid spray with automatic dispensing equipment, adjustments may be required in application rate and viscosity.

Dip Application: Using automatic equipment or hand immersion technique, slowly immerse PCB into the coating and remove slowly. Use an average rate of approximately 1 foot per minute. After allowing the board to cure, process may be repeated to achieve desired thickness.

Brush Application: Evenly apply coating to areas desired at thickness required. Allow time for curing before reapplying to achieve a thick coating. Use WonderMASK to protect components during conformal coating process. After application, cured Fine-L-Kote™ may be removed using Techspray Conformal Coating Removal Pen (2510-N or 2510-P).



Typical Product Data and Physical Properties

Physical state:	Liquid
Flash point:	Closed cup: 39.9°F (4.4°C)
Flammable limits:	Lower 1.8% Upper 10%
Color:	Colorless to light yellow
Odor:	Characteristic
Boiling/condensation point:	174.2°F (79°C)
Relative density:	0.83
Volatility:	86% (w/w)
Shelf life:	1 year

Chemical Composition

Chemical Name	CAS#
1-(2-Methoxy-Methyl-Ethoxy)-2-Propanol Acetate	88917-22-0
Polysiloxane mixture	
Benzene-methyl, (Toluene)	108-88-3
2-Butanone (methyl ethyl ketone)	78-93-3

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Performance & Application Data

Cure type	thermal/air
Tack-free time	60 minutes
Accelerated cure time/temp	2 step: 30min @32°C, 45min @93°C
Ambient cure time	72hrs
UL 94 rating	V-0
Solids content (% by wt.)	55%
Viscosity	70-80 CPS
Operating temp range	-65 to 200°C
Dielectric strength	1.1 kV/Mil
Insulation resistance (ohms)	6.87×10^{15}

Packaging and Availability

2102-GHV 1 gallon liquid

Environmental Policy

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Resources

Techspray® products are supported by a global sales, technical and customer services resources.

For additional technical information on this product or other Techspray® products in the United States, call the technical sales department at 800-858-4043, email tsales@techspray.com or visit our web site at: www.techspray.com.

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