

**TECHSPRAY™**

Product Information

Fine-L-Kote™ HT

High Temperature Conformal Coating

2106

Introduction

A silicone resin, conformal coating designed to withstand extreme temperatures. Exhibiting excellent adhesion properties, moisture and fungus resistance, temperature stability and solvent resistance, Fine-L-Kote™ HT coating offers complete versatility. Coating is formulated with a black light indicator, Opti/Scan™, to provide checks for conformity in quality control. Complete removal can be achieved by using Trace Technologies™ Conformal Coating Remover (2510-N, 2510-P).

Features / Benefits

Silicone Based

Withstands Extreme Temperatures (-40°F to 662°F / -40°C to 350°C)

Non-Ozone Depleting

Flexible

Contains Opti/Scan™

Chemical Components

Xylene.....	(1330-20-7)	42-48%-Aerosol <25%-Bulk
Polymethylphenyl Silicone Resin.....	(110775-80-9)	10-15%
Aerosol-Optical Brightener		<.2%
Aerosol-Tetrafluoroethane.....	(811-97-2)	32-39%
Aerosol-Isobutyl Alcohol.....	(78-83-1)	<4%
Toluene.....	(108-88-3)	4-7%-Aerosol <70%-Bulk <15%
Bulk-High Temp. Silicone Polymer		

Cure Type	Thermal
Meets/Exceeds IPC-CC-830 MIL-I-46058C	SR Silicone
Thermal Shock	5
Dielectric Constant (@ 10⁶ Hz)	2.5
Dielectric Strength (Volts/Mill)	560
Volume Resistivity	5x10 ¹³
Moisture Resistance	5
Resistant to Fungus	Yes
Ease of Repair	5
Flexibility	5
Chemical Resistance	2
Dry Time to Touch	45 min.
Cure Time	24 Hours
Accelerated Cure Time	15 min. @ 120°F One Step Process
Removal (2510-P or 2510-N)	1-5 min.
Burn Through	Yes
Viscosity (cps) for Bulk	10-30

Ratings: 5 (Excellent), 4 (Very Good), 3 (Good), 2 (Fair), 1 (Poor)

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.

Packaging and Availability

Fine-L-Kote™ HT may be ordered in the following container sizes:

2106-12S	12 Ounce Aerosol
2106-G	1 Gallon in Metal
2106-5G	5 Gallons in Metal

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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Countries Outside US

Call to locate a distributor
in your country.

Important Notice to Purchaser/User: The information in this publication is based on tests that we believe are reliable. The results may vary due to differences in tests type and conditions. We recommend that each user evaluate the product to determine its suitability for the intended application. Conditions of use are outside our control and vary widely. Techspray's only obligation and your only solution is replacement of product that is shown to be defective when you receive it. In no case will Techspray® be liable for any special, incidental, or consequential damages based on breach of warranty, negligence or any other theory.



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FINE-L-KOTE™ COATING SELECTION CHART

Fine-L-Kote™ Part Number	2102	2103	2104	2106
Cure Type	Thermal	Thermal	Thermal	Thermal
Meets / Exceeds IPC-CC-830 MIL-I-46058C	SR Silicone	AR Acrylic	UR Urethane	SR Silicone
Thermal Shock	5	2	3	5
Dielectric Constant (ϵ 10 ⁸ Hz)	2.66	3.1	3.80	2.5
Dielectric Strength (Volts / Mil)	1100 Dry 976 Wet	2086	380	560
Volume Resistivity	$1x10^{14}$ Dry $9x10^{14}$ Wet	$4x10^{13}$ Dry	$2x10^{13}$	$5x10^{13}$
Moisture Resistance	5	2	4	5
Resistant to Fungus	Yes	Yes	Yes	Yes
Ease of Repair	3	5	2	3
Flexibility	5	2	3	5
Chemical Resistance	4	1	4	2
Dry Time To Touch	1 Hour	15 Min.	15 Min.	45 Min.
Cure Time	72 Hours	24 Hours	24 Hours	24 Hours
Accelerated Cure Time	30 min. @ 90°F 45 min. @ 200°F Two Step Process	20 min. @ 120°F 30 min. @ 180°F Two Step Process	20 min. @ 120°F 30 min. @ 180°F Two Step Process	15 min. @ 120°F One Step Process
*Removal (2510)	1-5 min.	1-5 min.	1-5 min.	1-5 min.
Burn Through	Yes	Yes	Yes	Yes

Ratings: 5 - Excellent, 4 - Very Good, 3 - Good, 2 - Fair, 1 - Poor

All coatings may be thinned by using Fine-L-Kote™ UR Thinner (2105)

* Available: Conformal Coating Remover
Product #'s: 2510-P and 2510-N



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