

# CONFORMAL COATINGS



**RoHS Compliant**   
 "Always was...always will be"





**Protect printed circuit boards (PCB)** with Fine-L-Kote™ conformal coatings. Coating can either be sprayed or brushed, or boards can be dipped directly into the conformal coating for a thick layer of protection.

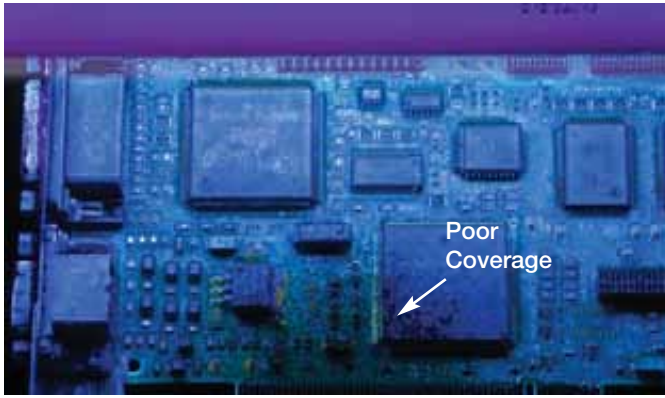
Techspray offers a variety of coating formulas to match field and engineering requirements. Specifications generally depend on the type of protection needed: e.g. thermal, moisture, and static resistance.

Fine-L-Kote coatings can be thinned to meet production requirements using Conformal Coating Remover (2105). Conformal Coating Remover (2510) is available for rework and repair, although coating is generally just burnt through in the soldering process for spot repairs.

**All Techspray conformal coatings have the following advantages:**

- **Designed to Protect PCB's**
- **Can Be Removed for Rework or Repair**
- **Contain Opti/Scan for UV Inspection**
- **Non-Ozone Depleting**

CONFORMAL COATINGS		Key: ● = Best   ● = Acceptable   ○ = Not applicable / Not recommended						
Product	Type	Thermal Resistant 	Moisture Resistant 	Chemical Resistant 	Static Resistant 	Full Cure Time	Dry To Touch	Sale Highlights
2102 SR	Silicone	●	●	●	●	72 Hours	1 Hour	UL Recognized
2106 HT	Silicone	●	●	○	●	24 hours	45 Min.	High Temperature
2103 AR	Acrylic	●	●	○	○	24 hours	15 Min.	Economical
2104 UR	Urethane	●	●	●	○	24 hours	15 Min.	For Harsh Conditions



### Opti/Scan for UV Inspection

Fine-L-Kote coatings contain Opti/Scan to allow quality control inspection of coverage and evenness of the coating on a PCB. A coated board can be passed under a standard, low-cost UV (black) light, and the coated areas glow. The brighter the glow, the thicker the coating.

## 2102

### FINE-L-KOTE SR

#### Silicone Conformal Coating

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

- UL Recognized
- Thermal Resistance — to 392°F (200°C)
- Dielectric Strength — 1100 volts/mil
- Moisture Resistant
- Chemically Resistant
- Vibration Resistant — Flexible

Specifications: Meets or exceeds MIL-I-46058C Type SR and IPC-CC-830. UL File Number UL746C.

#### Standard Viscosity — 4-10 CPS

- 2102-12S** 12 oz aerosol
- 2102-P** 1 pint in glass bottle
- 2102-G** 1 gallon in metal pail
- 2102-5G** 5 gallons in metal pail

#### High Viscosity — 60-90 CPS

- 2102-GHV** 1 gallon in metal pail



2102-12S

## 2106

### FINE-L-KOTE HT

#### High-Temperature Silicone Conformal Coating

High-Temperature Silicone Coating is designed to prevent thermal shock with high temperatures. Silicone Conformal Coating is the most universal coating, offering protection for a wide variety of environments.

- Designed for High Temperature Environments
- Fast-drying Silicone — 1-Step Process
- Thermal Resistance — to 662°F (350°C)
- Dielectric Strength — 560 volts/mil
- Moisture Resistant
- Vibration Resistant — Flexible

Specifications: Meets or exceeds MIL-I-46058C Type SR and IPC-CC-830.

- 2106-12S** 12 oz aerosol
- 2106-G** 1 gallon in metal pail



2106-12S

## 2103

### FINE-L-KOTE AR

#### Acrylic Conformal Coating

Acrylic Conformal Coating is an economical choice that provides a hard protective surface. Commonly used on aviation components.

- Thermal Resistance — to 392°F (200°C)
- Dielectric Strength — 640 volts/mil
- Rigid, Hard Coating

Specifications: Meets or exceeds MIL-I-46058C Type AR and IPC-CC-830.

- 2103-12S** 12 oz aerosol
- 2103-G** 1 gallon in metal pail
- 2103-5G** 5 gallons in metal pail



2103-12S

## 2104

### FINE-L-KOTE UR

#### Urethane Conformal Coating

Urethane Conformal Coating is widely used in harsh chemical environments.

- Thermal Resistance — to 248°F (120°C)
- Dielectric Strength — 380 volts/mil
- Moisture Resistant
- Chemically Resistant
- Abrasion Resistant

Specifications: Meets or exceeds MIL-I-46058C Type UR and IPC-CC-830.

- 2104-12S** 12 oz aerosol
- 2104-G** 1 gallon in metal pail
- 2104-5G** 5 gallons in metal pail



2104-12S

## 2105

### CONFORMAL COATING THINNER

- 2105-G** 1 gallon in metal pail

## 2510

### CONFORMAL COATING REMOVER

- 2510-N** 10ml Pen
- 2510-P** 1 pint in metal bottle

BOARD PRODUCTION AND REWORK