



# HT High-Temp Silicone Conformal Coating

2106

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.

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 (short-wave black) light, and the coated areas glow. The brighter the glow, the thicker the coating.



## Superior thermal and moisture resistance

High Temperature Silicone Coating is designed to prevent thermal breakdown at 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
- Non-ozone depleting
- Max operating temperature to 662°F (350°C)
- Dielectric strength 560 volts/mil
- Moisture resistant
- Vibration resistant flexible
- UV indicator for bla

Specifications:

- MIL-I-46058C Type SR
- IPC-CC-830B

## Product Packaging

**2106-12S**  
 Fine-L-Kote HT Conformal  
 Coating  
 12 oz  
 12 units/case



**2106-G**  
 Fine-L-Kote HT Conformal  
 Coating  
 1 gal  
 1 units/case





## Technical Information

### Chemical & Physical Properties

Appearance	Clear, colorless liquid
Odor	Aromatic odor
Flash Point	40°F
VOC (EPA)	724 g/l
Boiling Point	110°C (230°F)

### Chemical Composition

CHEMICAL NAME	CAS #
Xylenes (o-,m-,p- isomers)	1330-20-7
Benzene- methyl, (Toluene)	108-88-3
Polysiloxane mixture	811-97-2
1,1,1,2-Tetrafluoroethane (aerosol only)	

### Performance & Application Data

Cure type	Thermal / air
Tack-free time (min)	45
Accelerated cure time/temp	1 Step: 15 Min.@ 49°C
Ambient cure time	24 hrs
Viscosity (bulk)	10-30 cps
Operating temperature range	-40° - 350° C
Dielectric strength	560 V/Mil
Insulation resistance (ohms)	1.33 x 10 <sup>16</sup>

## 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.



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## 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](mailto:tsales@techspray.com) or visit our web site at: [www.techspray.com](http://www.techspray.com).

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### Countries Outside US

Call to locate a distributor in your country.

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