

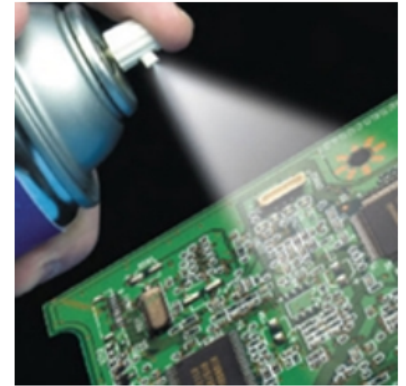


# High Viscosity UR Urethane Conformal Coating

2104-HV

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.



## Tough coating with good chemical resistance

Urethane Conformal Coating is widely used in harsh chemical environments.

- Max operating temperature to 248°F (120°C)
- Dielectric strength 380 volts/mil
- Non-ozone depleting
- Moisture resistant
- Chemically resistant
- Abrasion resistant
- IPC-CC-830B & MIL-I-46058C qualified
- UV indicator for black light QC inspection

Specifications:

- IPC-CC-830B
- MIL-I-45058C

## Product Packaging

**2104-GHV**  
 Fine-L-Kote UR Conformal Coating  
 1 gal  
 1 units/case



**2104-5GHV**  
 Fine-L-Kote UR Conformal Coating  
 5 gal  
 1 units/case





## Technical Information

### Chemical & Physical Properties

Appearance	Liquid
Odor	Aromatic odor
Flash Point	81°F
VOC (EPA)	582.000 g/L
Boiling Point	149°C (300°F)
Density	0.97

### Chemical Composition

CHEMICAL NAME	CAS #
Urethane prepolymer	
Xylenes (o-,m-,p- isomers)	1330-20-7
ethylbenzene	100-41-4

### Performance & Application Data

Cure type	Thermal / air
Tack-free time	15 min
Accelerated cure time/temp	2 step: 20 min @49C, 30 min @82C
Ambient cure time	15 min
Operating temp range	-30 to 121C
Dielectric strength	380 V/Mil
Insulation resistance (ohms)	1.78 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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