

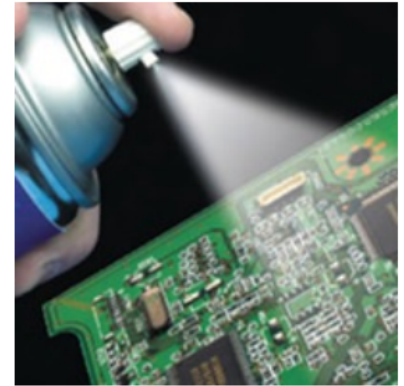


High Viscosity UR Urethane Conformal Coating

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 ¹⁶

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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Call to locate a distributor in your country.

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