

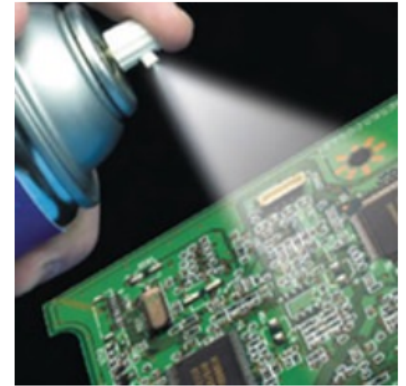


# UR Urethane Conformal Coating

2104

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.



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## 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:

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

## Product Packaging

**2104-12S**  
 Fine-L-Kote UR Conformal Coating  
 12 oz  
 12 units/case



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



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



## Technical Information



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# TECHSPRAY<sup>®</sup>

## Technical Data Sheet

### Chemical Composition

CHEMICAL NAME	CAS #
n-Propyl acetate	109-60-4
Urethane prepolymer	1330-20-7
Xylenes (o-,m-,p- isomers)	100-41-4
ethylbenzene	109-99-9
Tetrahydrofuran	811-97-2
1,1,1,2-Tetrafluoroethane (aerosol only)	

### Performance & Application Data

Cure type	Thermal / air
Tack-free time (min)	15
Accelerated cure time/temp	2 Step: 20 Min.@ 49°C, 30 Min.@ 82°C
Ambient cure time	24 hrs
Viscosity (bulk)	10-20 cps
Operating temperature range	-30° - 121° C
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.

### 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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