Fine-L-Kote AR (Aerosol) Acrylic Conformal Coating

Product# 2103-12S

Product Description

Techspray's AR Acrylic Conformal Coating is an economical conformal coating to protect PCBs. Fine-L-Kote AR is HAPs (Hazardous Air Polutants) free, so do not contain common coating solvents like Toluene, Xylene, and MEK. This makes coating more user friendly and safe.

Features / Benefits

- Thick Coating – One-Pass Application
- Fast & Easy Rework & Repair
- Meets IPC-CC-830
- Crystal Clear & Glossy Finish
- Contains Opti/Scan™, UV Indicator for Black Light QC Inspection
- Hazardous Air Pollutant Free: no MEK, Toluene or Xylene

Application

Electronic Assemblies for…

- Automotive
- Aviation
- Consumer Electronics
- Appliances
- Industrial Meters & Control

Thinning/ Removal

Techspray coatings can be thinned to meet production requirements using Conformal Coating Thinner (2105). Conformal Coating Remover (2510) is also available for rework and repair, although coating is often just burnt through in the soldering process for spot repairs.

Usage Instructions

Surface to be coated should be thoroughly cleaned with a solvent such as Flux Remover G3® (1631). Surface must be completely dry before application of coating. Shake can well. Hold the board to be coated in a horizontal position and spray from top to bottom, holding the can four to six inches from surface. First, apply a light topical coating, then, after board has been fully coated, immediately apply a second heavier coat. Allow material to flow around the components. After application, invert can and spray until no liquid is expelled. Coating will be tack free in approximately 15 minutes; however, full cure requires 24 hours depending upon humidity. Complete removal can be achieved in 30 to 45 minutes by using the (2510) Conformal Coating Remover. Removal time depends upon temperature, thickness of coating and application.



Typical Product Data and Physical Properties

Physical State:	Liquid
Odor:	Characteristic
Color:	Clear; Colorless
Vapor Density:	>1 (Air=1)
Boiling Point:	230ºF (110ºC)
Flashpoint and method:	39.9ºF (4.4ºC) (TAG CC)
Heat Combustion	7.169 kJ/g
Shelf life:	2 years

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Coating Properties

Product Benefits	Economical
Selective Spray System	not recommended
Atomized Spray System	acceptable
Dip	acceptable
Aerosol Available	YES
Thermal Resistant	acceptable
Moisture /Fungus Resistant	acceptable
Chemical Resistant	not recommended
Vibration Resistant	acceptable
Ease of Rework	excellent
Coverage 1 aerosol can	(1 mil dry film) 12 ft^2 (1.1M^2)
Tack Free Time (min)	15
Accelerated Cure Time/Temp	2 Step 20 Min.@ 120°F 30 Min.@ 180°F
Ambient Cure Time	24 Hrs.
IPC-CC-830 Qualified	YES
Solids Content (% by weight)	6.1%
Viscosity (centipoise)	22
UV Indicator	YES
Operating Temp Range	-65° to 125° C
Dielectric Strength	2.08 kV/Mil
Dielectric Constant	3.1
Insulation Resistance (ohms)	4 x 10^{13}
VOC	Aerosol 29%

Packaging and Availability

2103-12S	12oz aerosol	12/case

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 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.

Important Notice to Purchaser/User: The information in this publication is based on tests that we believe are reliable. The results may vary due to differences in tests type and conditions. We recommend that each user evaluate the product to determine its suitability for the intended application. Conditions of use are outside our control and vary widely. Techspray's only obligation and your only solution is replacement of product that is shown to be defective when you receive it. In no case will Techspray® be liable for any special, incidental, or consequential damages based on breach of warranty, negligence or any other theory.

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