



Turbo-Coat Acrylic Conformal Coating

2108

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.



Fastest cure -- dry to touch in 3 minutes!

TurboCoat Acrylic Conformal Coating is designed to speed up board production throughput without additional investment of expensive UV systems or other capital equipment. Conformal coating cure time is often considered a production bottleneck for PCB assembly operations. TurboCoat dries tack-free in 3 minutes, allowing manufacturers to handle boards in 1/3 the time of the leading acrylic coating! Full cure can be achieved as quickly as 10 minutes with elevated temperatures.

- Fastest cure – dry to touch in 3 minutes!
- Thermal resistance - to 257°F (125°C)
- Non-ozone depleting
- Dielectric strength - 1000 volts/mil
- Fast & easy rework & repair
- IPC-CC-830B & MIL-I-46058C qualified
- UL94 V-0 rated
- UV indicator for black light QC inspection
- Toluene & Xylene free -- no HAPs (hazardous air pollutants)

Product Packaging

2108-12S
Turbo-Coat Acrylic Conformal Coating
12 oz
12 units/case



2108-5G
Turbo-Coat Acrylic Conformal Coating
5 gal
1 units/case

2108-P
Turbo-Coat Acrylic Conformal Coating
1 pint
1 units/case



2108-N
Turbo-Coat Acrylic Coating Pen
10 ml
12 units/case

2108-G
Turbo-Coat Acrylic Conformal Coating
1 gal
1 units/case





Instructions

Surface to be sprayed should be thoroughly cleaned with solvent such as Flux Remover G3 (1631). Surface must be completely dry before application of coating. As you spray or brush coating, allow material to flow around components. Coating will be tack free in approximately 5 minutes; however, full cure requires 24 hours depending on humidity and thickness of application. Coated boards can be reworked by applying soldering iron directly to coating, or complete removal can be achieved in 1 to 3 hours by using Conformal Coating Remover (2510). Removal time depends on temperature, thickness of coating, and application.

| Chemical & Physical Properties | |
|--------------------------------|---------------------------|
| Appearance | Clear, colorless liquid |
| Odor | Aromatic odor |
| Flash Point | 1.4°C (35°F) |
| VOC (EPA) | 33% (aerosol), 64% (bulk) |
| VOC (CARB) | 33% (aerosol), 64% (bulk) |
| Boiling Point | 39.4°C (103°F) |
| Density | 0.834 at 25°C (77°F) |

Chemical Composition

| CHEMICAL NAME | CAS # |
|--|------------|
| Acrylic Polymer (non-hazardous) | 109-60-4 |
| n-Propyl acetate | 142-82-5 |
| n-Heptane | 67-64-1 |
| Acetone | 88917-22-0 |
| 1-(2-Methoxy-Methyl-Ethoxy)-2-Propanol Acetate | 811-97-2 |
| 1,1,1,2-Tetrafluoroethane (aerosol only) | |

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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