



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



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



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

2108-N  
Turbo-Coat Acrylic Coating Pen  
10 ml  
12 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](mailto:tsales@techspray.com) or visit our web site at: [www.techspray.com](http://www.techspray.com).

### North America

Techspray  
P.O. Box 949  
Amarillo, TX 79105  
800-858-4043

### Europe

ITW Contamination Control BV  
Saffierlaan 5  
2132 VZ Hoofddorp  
The Netherlands

### Countries Outside US

Call to locate a distributor in your country



email: [tsales@techspray.com](mailto:tsales@techspray.com)

+31 88 1307 400

email: [info@itw-cc.com](mailto:info@itw-cc.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.