



# Overcoat Pen - Green

Trace Technologies™  
2509

## Introduction

The Overcoat Pen was designed to insulate printed circuit board traces and components against high voltage arcing. It also provides protection from moisture and fungus. The pen configuration is useful for rework and repair when precision application is necessary. Formulated with OptiScan™ for black light inspection.

### Features / Benefits

- Protects Conductive Pen Traces
- Repairs Permanent Solder Mask
- Prevents Shorting and Arcing

## Chemical Components

Acetone.....	(67-64-1)	22-26%
Acrylic Polymer Blend.....		28-32%
n-Propyl Acetate.....	(109-60-4)	43-47%
Dye.....		<1%

Cure Type	Thermal
Meets/Exceeds IPC-CC-830 MIL-I-46058C	AR Acrylic
Thermal Shock	2
Dielectric Constant (@ 10 <sup>6</sup> Hz)	3.1
Dielectric Strength (Volts/Mill)	2086
Volume Resistivity	4x10 <sup>13</sup> Dry
Moisture Resistance	2
Resistant to Fungus	Yes
Ease of Repair	2
Flexibility	2
Chemical Resistance	1
Dry Time to Touch	15 min.
Cure Time	24 Hours
Accelerated Cure Time	20 min. @ 120°F    30 min. @ 180°F    Two Step Process
Removal (2510-P or 2510-N)	1-5 min.
Burn Through	Yes

Ratings: 5 (Excellent), 4 (Very Good), 3 (Good), 2 (Fair), 1 (Poor)

### Typical Physical Properties for 2103

% Non Volatile	20
Gardner Color	1 Max
Acid Value (g KOH/g Acid)	4.3 – 4.9
Tg 2 (C)	43.5 – 46.5
MFI (g/10 min.)	19 @ 190°C
Molecular Weight	90,000
Viscosity (cps) Bulk	34-54

## 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.

## Packaging and Availability

---

Overcoat Pen is available in the following sizes:

2509-GN            1    5ml Pen Green

## 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

Tech Spray L.P.  
P.O. Box 949  
Amarillo, TX 79105  
800-858-4043  
email: [tsales@techspray.com](mailto:tsales@techspray.com)

### Europe

Techspray International  
UNIT 4, 44/46 Bunyan Road, Kempston  
Bedford MK42 8HL United Kingdom  
+44 (0) 1234 855443  
email: [tseurope@techspray.com](mailto:tseurope@techspray.com)

### Countries Outside US

Call to locate a distributor  
in your country.

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.



Tech Spray, L.P.  
P.O. Box 949  
Amarillo, TX 79105  
[www.techspray.com](http://www.techspray.com)

[English MSDS](#)  
[French MSDS](#)  
[German MSDS](#)  
[Italian MSDS](#)  
[Spanish MSDS](#)



Copyright 2003 Tech Spray, L. P.  
**For Commercial Use Only**