

# PRO-SHIELD® 7113

## SILVER PLATED COPPER FILLED ELECTRICALLY CONDUCTIVE EPOXY COATING



### Customer Value Proposition:

Parker Chomerics PRO-SHIELD® 7113 is a silver plated copper filled electrically conductive epoxy coating.

This epoxy coating provides great adhesion to a variety of substrates such as metals, plastics, and composites. It offers good mechanical and environmental stability for reliable EMI protection of electronic equipment.

With its low cost silver plated copper filler, PRO-SHIELD 7113 is an effective way to reduce EMI issues in commercial applications.



### Contact Information:

Parker Hannifin Corporation  
Chomerics Division  
77 Dragon Ct.  
Woburn, MA 01801 USA

phone 781 935 4850  
fax 781 933 4318  
CHOMailbox@parker.com

[www.parker.com/chomerics](http://www.parker.com/chomerics)

### Product Features:

- Two component epoxy
- Silver/copper in color
- Pot life – 4 hrs at room temperature
- Cure – 168 hrs at room temperature or 4 hrs at room temperature followed by 1 hr at 125C (257F)
- Surface resistivity: < 0.25 ohm/sq
- Shielding effectiveness: 60+ dB

### Typical Applications:

- Medical devices
- Electronic assemblies or enclosures
- Industrial cabinets
- Access panels
- Telecom Infrastructure
- Engine Control Modules (ECMs)
- Portable electronics

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# Product Information

## PRO-SHIELD 7113 ELECTRICALLY CONDUCTIVE PAINT

PRO-SHIELD 7113		
Typical Properties	Typical Values	Test Method
Packaging	Pint, Quart, Gallon	N/A
Primer Included	No	N/A
Number of components	2	N/A
Mix Ratio by Weight, A:B	100:28.3	N/A
Polymer Family	Epoxy	N/A
Filler Material	Silver-Plated Copper	N/A
Color	Silver/copper	N/A
Surface Resistivity (ohm-sq)	< 0.25	N/A
Shielding Effectiveness (dB) Avg.	50-69	CHO-TM-TP11
Calculated VOC (g/L)	479	Calculated
Average solids (weight) %	48.1	Calculated
Average solids (vol.) %	34.3	Calculated
Specific Gravity	1.2	ASTM D792
Theoretical Coverage* (ft <sup>2</sup> /gal) @ Recommended Thickness	275	Calculated
Recommended Thickness (mil)	0.002	N/A
Shelf life, date of manufacture (months)	9	N/A

### Ordering Information

Part Number	Packaging	Weight (grams)
90-01-7113-0000	Two component pint kit	470
90-04-7113-0000	Two component quart kit	940
90-03-7113-0000	Two component gallon kit	3760

For best adhesion, PRO-SHIELD 7113 should be applied to a clean, dry, and oil free surface.