PRO-SHIELD® 7113

Silver Plated Copper Filled Electrically Conductive Epoxy Coating

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.



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



Parker Chomerics

PRO-SHIELD® 7113 Product Information

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^2/gal) @ Recommended Thickness	275	Calculated
Recommended Thickness (mil)	0.002	N/A
Shelf life, date of manufacture (months)	12	N/A

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

PRO-SHIELD® 7113 Ordering Information

Product	Weight (grams)	Packaging	Part Number	Primer
PRO-SHIELD 7108	470	Two component pint kit	90-01-7113-0000	Not Required
PRO-SHIELD 7108	940	Two component quart kit	90-04-7113-0000	Not Required
PRO-SHIELD 7108	3760	Two component gallon kit	90-03-7113-0000	Not Required

WARNING: This product contains chemicals known by the State of California to cause cancer, birth defects. or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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