

# PRO-SHIELD® 7103

## SILVER PLATED COPPER FILLED ELECTRICALLY CONDUCTIVE COATING



### Customer Value Proposition:

Parker Chomerics PRO-SHIELD® 7103 is a silver plated copper filled electrically conductive coating.

Parker Chomerics PRO-SHIELD® 7103 is the workhorse of electrically conductive coatings. Its silver-plated copper filler provides good EMI shielding at a reasonable price, making PRO-SHIELD® 7103 a cost-effective EMI shielding solution for plastic parts or electronic enclosures.

Available in 12 fluid ounce aerosol cans, it is great for spraying prototypes and performing initial qualification testing.

### Contact Information:

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### Product Features:

- One component acrylic
- Silver/copper in color
- Fully cured in twenty four hours
- Surface resistivity: < .15 ohm/sq
- Shielding effectiveness: 65+ dB

### Typical Applications:

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

For best adhesion, PRO-SHIELD 7103 should be applied to a clean, dry, and oil free surface. A primer may be required for adhesion to solvent resistant plastics.

Note: Coating may blush (white discoloration of drying surface) when applied in a high humidity environment (temperature >80 F and relative humidity > 50%).

 **WARNING:** This product can expose you to TOLUENE, which is known to the State of California to cause birth defects and/or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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# Product Information

## PRO-SHIELD 7103 ELECTRICALLY CONDUCTIVE PAINT

PRO-SHIELD 7103		
Typical Properties	Typical Values	Test Method
Packaging	Quart, Aerosol, Gallon	N/A
Primer Included	No	N/A
Polymer Family	Acrylic	N/A
Filler Material	Copper	N/A
Color	Copper	N/A
Surface Resistivity (ohm-sq)	< 0.150	N/A
Shielding Effectiveness (dB) Avg.	60-70	CHO-TM-TP11
Calculated VOC (g/L)	753	Calculated
Average solids (weight) %	32	Calculated
Average solids (vol.) %	16.2	Calculated
Specific Gravity	1.1	ASTM D792
Theoretical Coverage* (ft <sup>2</sup> /gal)	260	Calculated
Recommended Thickness (mil)	0.001	N/A
Shelf life, date of manufacture (months)	9, 12 for 90-10-7103-0000	N/A

### Ordering Information

Part Number	Packaging	Weight (grams)
90-10-7103-0000	12 fluid oz. aerosol can	340
90-04-7103-0000	1 quart aluminum can	910
90-03-7103-0000	1 gallon aluminum can	3640

 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](http://www.P65Warnings.ca.gov)