

SHIELDING PAINTS

CuPRO-COTE™ *Water-Based High-Conductivity Shielding Coating*



This is a spray-able, brush able, or rollable conductive metallic coating using a specially formulated copper as the conductive agent for superior performance in electric field and RF shielding. Developed initially as an RFI/EMI shield for **plastic** electronic housings, it can be applied directly to acrylic, ABS and structural foams, as well as solvent sensitive materials such as polycarbonate and polystyrene. Can also be applied to other non-porous surfaces including primed **wall-board, wood and metals**. Can be applied by sprayer, brush or roller just like ordinary latex paint! Just as safe to handle, too. Thin with water. Amazing low surface resistivity makes this great for coating non-conductive surfaces prior to electroplating. Covers 670 ft² per gallon per mil thickness if application is 100% efficient (typically 400 ft² per gal. when applied by roller). Can be used indoors or out, but topcoat with a weather protective paint if the material will be exposed to the elements. Color is Glitter Mocha, but you can paint over with ordinary latex paint to achieve desired aesthetics. Dried coating is stable up to 250°F. Warning: CuPro-Cote liquid does not tolerate freeze/thaw well. We cannot be responsible for freeze damage during shipping. RoHS Compliant.

SYSTEM	1 component, air dry, H ₂ O base
SOLIDS	57 ±3% by weight
DENSITY	12.5 ±0.3 lbs per gallon
VOC	0.3 lbs per gallon
THINNER	reduce to desired viscosity with water (approx 4:1) for spray, no dilution for brush/roller application
APPLICATION METHOD	standard air gun with pressure pot with agitation to keep copper in suspension, brush, or roller. Copper particles settle. Mix Well Before & During Use!
DRYING TIME	air dry, <u>or</u> flash off for 5 min at room temp then dry for ½ hour at 160°F
ADHESION	excellent to most plastic surfaces
RESISTIVITY	5 Ohm/sq at 1 mil dry film
ATTENUATION	> 75 dB from 30 MHz to 1.5 GHz

(Cat. #D292-5G) \$2069.77/5 gallon
 (Cat. #D292-G) \$459.95/gallon
 (Cat. #D292-Q) \$159.95/quart
 (Cat. #D292-4) \$29.95 / 4 oz

SUPER SHIELD™ AEORSOL COATING

Cuts EMI / RFI Interference



A general purpose conductive EMI / RFI shielding in a handy aerosol spray for use on most substrates. Especially good for shielding plastic electronics enclosures. Consists of a tough, durable acrylic base pigmented with a high purity nickel flake. One to two mil coating provides 40dB - 50dB shielding across a frequency range of 5 to 1800MHz. About 1600 in²/can coverage at 1.5 mil. Contains no CFC 'S, NO HCFC'S, ozone friendly. 340g (12 oz) aerosol can. Dries to a dull gray color.

- ◆ Surface Resistivity ~0.7 Ohm/sq
- ◆ Dry time: 10 minutes at room temp.
- ◆ Recoat time: 5 minutes
- ◆ Excellent adhesion to most plastics
- ◆ Tested as per IEEE Std. 299-1997
- ◆ UL recognized File No.: E202609
- ◆ No CFC's, No HCFC's, Ozone Friendly
- ◆ RoHS Compliant.

(Cat. #D285) \$32.95
Case of 6 units (only \$22.00 each):
 (Cat. #D285-case) \$168.50

SUPER SHIELD™ LIQUID FORMAT:

Also Known as "Nickel Print"

Same high performance nickel formulation in a solvent base, without the aerosol propellant. Can be painted, dipped, silk screened etc.

Super Shield 900 ml
 (Cat. #D285-900) \$150.75

SUPER SHIELD LIQUID THINNER



Use for thinning or clean up of Super Shield liquid. 1 liter can with handy screw top for easy storage and pouring.

Thinner 1 liter
 (Cat. #D285-T) \$14.95

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SuperShield and Thinner can only ship via UPS Ground (flammable).

Toll free in USA: 1-888-537-7363
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