

# Silver Lining®

**SERIES A905  
WATERBORNE EMI/RFI SHIELD COATING**

**SANDSTROM  
PRODUCTS COMPANY**

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## DESCRIPTION

*Silver Lining*® is an all acrylic latex conductive coating designed for use as an EMI/RFI shield coating for computers electronic cabinets, structures, and as a reflective satellite dish coating.

## OUTSTANDING FEATURES/BENEFITS

- Safer than nickel or copper coatings
- Low odor, water cleanup
- Nontoxic
- Excellent crosshatch adhesion to almost every commercial plastic used in electronic enclosures and to concrete.
- Excellent conductivity
- Excellent EMI/RFI shield coating
- Air dry/force cure
- Minimal dish-to-dish reflective loss
- High volume solids result in greater film build. When sprayed, the correct film thickness is usually achieved with one coat.

**TYPE:** Single Component Acrylic Latex

**COLOR:** Light Tan (MOA)

**FINISH:** Flat Gloss

**PACKAGING:** Quarts, gallons, and 5 gallon pails

## LIMITATIONS

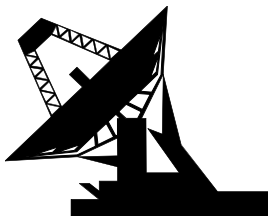
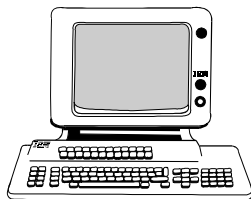
- Some surface tarnishing may occur over a period of years. Lab tests indicate properties are unaffected.
- Applying at temperatures below 60°F, or relative humidity above 75%, will result in increased air dry time. (Force cure under these conditions.)
- Silver particles may rise to the surface during shipment. Push gently into the liquid below and mix mildly before using.
- Direct exposure to sulfides or other sulfur compounds may result in reduced conductivity. A protective topcoat such as **SANPRO® F.E.V.E.R., Plexon®, or Sancryl® Water Reducible Acrylic**, is recommended for longevity of maximum exterior performance on satellite dishes and other exposed installations.

## COMPOSITION AND PHYSICAL PROPERTIES

<b>Solids (As supplied)</b>	By weight: 55% - 58.0%	<b>Theoretical VOC</b>	<1.0 lbs./gal. (<120 g/L)
<b>Theoretical</b>	By volume: 60% ± 2%		minus water
<b>Cleanup</b>	Water	<b>Freeze/Thaw Stability</b>	1 cycle
<b>Flash Point</b>	Above 200°F	<b>Storage Conditions</b>	40°F to 100°F
<b>Abrasion Resistance</b>	Burnishes to metallic silver	<b>Shelf Life</b>	1 year in unopened containers
<b>Resistance</b>	< 0.5 ohm /sq. cm. @ 2 mils	<b>Recommended Coverage Rate</b>	480 sq ft/gal @ 2.0 mils dry
<b>Attenuation</b>	-40 dB @ 100 Hz -80 dB @ 1 MHz to 10 GHz	<b>Drying Time</b>	
<b>Reflective Loss</b>	0.1 dB at 18 GHz	<b>(@ 70°F, 50% humidity, adequate ventilation)</b>	Dry to Touch: 20 Minutes Full Cure: 24 Hours
<b>Heat Resistance</b>	200°F Steady; 300°F Peak	<b>or Force Cure</b>	20 Minutes @ 140°F

## NOTICE

Before using this product, read all warnings and safety information printed on the label, the Material Safety Data Sheet, and the Technical Information Guide.



## APPLICATION RECOMMENDATIONS

HVLP spray guns are recommended for best results. In all cases, avoid dry spraying *Silver Lining*®.

**HVLP:** Binks Mach 1 spray gun is recommended. Use 97AP air cap with 97 / 1.7 mm fluid nozzle. Maintain a wet edge. Apply 3.3 to 3.5 wet mils. Mildly mix the material every five to ten minutes during application.

**CONVENTIONAL AIR:** To avoid dry spray: Reduce sparingly with Deionized water. Spray at 30 - 40 psi, 12 inches from ware. Apply 3.7 to 4 wet mils. Maintain a wet edge but avoid sags. Mix during use when thinned. Very small areas and touch ups may be brush applied.

### IMPORTANT NOTICE TO BUYER / WARRANTY AND LIMITATIONS ON OUR LIABILITY

We warrant our products to be free of manufacturing defects, and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and is accurate to the best of our knowledge. They are based on technical data which we believe to be reliable, and are intended for use by persons having skill and "know-how," at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT. Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders or other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. ©2/98 SANDSTROM PRODUCTS COMPANY 3/29/06