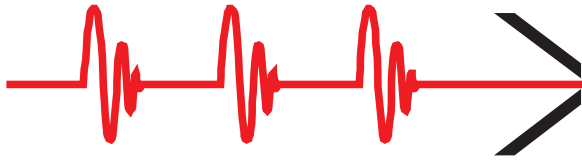


Holland Shielding Systems BV



Silverpaint 3840

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Description:

Silverpaint 3840 is a ready for use EMI/RFI shielding coating. It is designed to give low resistance, even in thin layers, on plastic electronic equipment housings. Silverpaint 3840 reduces cost and increases productivity. It exhibits excellent environmental aging stability with superior scratch and mar resistance while providing an aesthetically pleasing coating appearance which has excellent long-term shielding and grounding properties.

Advantages:

- Excellent conductivity
- Very smooth, bright coating
- Excellent Taber wear and Gardner mar resistance characteristics
- Stable electrical properties after heat cycle and humidity (-40°C to 70°C; 50°C and 95% RH)
- Soft settling, easy mixing, easy handling. Air or force drying.
- Meets UL Specification 746-C. Recognised for excellent adhesion to most plastics commonly used in electronic equipment housings.
- Coats vertical and horizontal surfaces well, yielding low corner-to-corner ohm readings.
- Overspray easily removable.
- Reduces frequency of mask washing cycles.
- Excellent adhesion to substrates such as polycarbonate, ABS, polystyrene and PC/ABS blends

Typical Properties: (of wet product)

Pigment	:	silver-plated copper
Binder	:	thermoplastic resin
Solids content	:	29.0 - 31.0%
Viscosity (Zahn Cup 2)	:	≥ 14 sec.
Flashpoint	:	- 5°C
Density	:	ca. 1050 kg/m ³
Theoretical Coverage	:	ca. 15 m ² /kg at 10 µm coating thickness
Diluent	:	none – product is ready for use
Shelf Life	:	12 months from date of qualification under original seal

Method of Use:

Detailed application methods are available in separate Application Sheet.

Surface Preparation

Surface should be clean and dry.

Mixing and dilution

Silverpaint 3840 is easily mixed on a paint shaker or by stirring. Check to be sure all solids are in suspension prior to use.

No dilution is necessary when using HVLP spray guns. Product can be thinned with Diacetonealcohol (5-10% by weight) for conventional spray gun application.

Application method

Conventional propeller agitated pressure pot systems can be used for production. Small prototype and sample runs can be sprayed with well-mixed product using suction cup spray equipment. Highest efficiency has been achieved using high volume, low pressure (HVLP) spray guns due to minimization of overspray losses. silverpaint 3840 robot application is optimized by recirculation of the paint from the pot through the gun and back via a pump delivery system.