PELCO® CONDUCTIVE SILVER 187 (30g)

Product No. 16045

Description

PELCO® Conductive Silver 187 is one of a series of conductive coating materials used to form conductive films. Conductive Silver 187 is a dispersion of finely divided silver in an acrylic resin. It is specially formulated for use in applications demanding the use of low VOC products. Conductive Silver 187 provides high conductivity at very thin dry film thickness on plastic and other nonconductive substrates. Its sheet resistance is 0.015 ohms/sq/mil (25µm). It exhibits excellent environmental aging stability with superior scratch/mar resistance while providing excellent long-term shielding and grounding properties. Surfaces to be coated should be clean and dry.

Advantages

- Low VOC – 59.6 g/l.
- Excellent adhesion and cohesion – Passes ASTM D3359-93 crosshatch tape test required to meet UL approval.
- Excellent mar and scratch resistance – Coating integrity and conductivity stays intact at seams and grounding points.
- Low ohms at thin film build – Eliminates problems with film-build on vertical walls and reduces required coating thickness.
- Good flow characteristics – Wet paint flows around corners and into hard to reach spots for a smooth uniform coating.
- Excellent aging stability – Conductive film integrity stays intact in harsh environments.

Typical Properties (as supplied)

Pigment:	Silver
Binder:	Acrylic
Diluent:	Acetone (**Caution:** Flammable and Irritant, use with adequate ventilation)
Solids content by weight:	50.8% ± 0.5%
Density:	1.67 g/ml
Theoretical coverage:	74.4 cm^2/ml @25µm (46.9 cm^2/g @25µm)

Typical Properties (as applied)

VOC:	.059 mg/ml
Drying time	5 minutes air dry to touch/ 10 minutes to handle

Typical Properties (when dried)

Recommended thickness:	0.5-1.5 mils dried (12.5-37.5µm)
Sheet resistance:	0.015 ohms/sq/mil (25µm)

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