



## Technical Bulletin

### ERSM 74220 Conductive Light Gray

**Description:** *ERSM 74220, Conductive Light Gray* is a thermosetting Epoxy based “Zero Zinc” powder coating which is designed for interior applications where exterior durability is not required. This product has been formulated to meet MIL PRF 24712B for type 1, class 4 and can be used as primer under exterior durable top coats.

<b>Typical Powder Properties</b>	Specific Gravity (ASTM D5965-96, C)	1.50±0.03
	Theoretical Coverage	128 sq.ft/lb./mil
	Shelf life (at below 80°F in dry condition)	12 months
	Mass loss during the cure (ASTM D3451-92)	<1.0%

<b>Typical Physical Properties:</b>	Film Thickness	2.5-3.5 mil
	Gloss 60°angle (ASTM D-523-89)	5-15
	Hardness (ASTM D-3363-92A)	2H
	Flexibility (ASTM D-1737-89, No loss of adhesion)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5B (100%)
	Impact Direct (ASTM D-2794-93, No loss of adhesion)	80/80
	Salt Spray (ASTM B117, 2000 hrs, Bonderite 1000 panel)	Rating 7 (creepage)

**Application Data:** *ERSM 74220, Conductive Light Gray* is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.

**Cure Schedule:** *ERSM 74220, Conductive Light Gray* can be cured in a direct or indirect gas convection oven, an electric oven, or an Infrared. A combination of any of these ovens is also suitable. Care must be taken with excess heat, as epoxies tend to discolor on over-bake.

**Standard Cure:** 10 minutes @ 400°F Peak Metal Temperature

**Storage:** *ERSM 74220, Conductive Light Gray* should be stored at temperatures below 80°F, in a dry area away from any heat source.

**Notes:** All tests were performed on Bonderite 1000, Iron Phosphate panels with a nominal film thickness of 2.5-3.5 mils. Please refer to the SDS for safety information.

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