



TECHNICAL BULLETIN

Highlights

ELECTROCLEAR 2000 represents a cost-effective, environmentally friendly product for use in the general metal finishing market as a high gloss decorative clear coating. Its advantages include:

- Waterborne paint, low VOC, with reduced fire hazard.
- Reduced exposure of workers to hazardous materials.
- High transfer efficiency (95%), with precise film build control.
- Extension of metal finishing process.
- Allows more efficient jig loading resulting in higher throughput.
- Delivers a high quality reproducible finish from a low maintenance process.
- Excellent throw power delivers uniform coating on complex parts.
- Provides sharper image and higher DOI than traditional spray or dip lacquer products.
- The future financial and environmental solution for lacquering metal parts.

Technical Properties

Property	Test Method	Performance
Color	---	Clear
Film Thickness	---	5 – 10 microns
Gloss - 60 Degree	ASTM D523-89	Full gloss
Pencil Hardness	ASTM D3363-00	4H +
Crosshatch Adhesion (Dry)	ASTM D3359-97	100%
Humidity/Adhesion (Wet)	ASTM D3359-97	100%
Humidity	ASTM D1735-99	500 Hours Minimum
Salt Spray Resistance	ASTM B117 240 Hours	No blisters, 4 – 5 mm creep

Film properties vary with substrate and pretreatment

Commercial Uses

- Lighting Fixtures
- Costume Jewelry
- Cigarette Lighters
- Door Hardware
- Electrical Fixtures
- Optical Frames
- Furniture Fixtures
- Picture Frames

Application Data

- Bake:** 30 minutes at 320°F (160°C) metal temperature
- VOC:** 2.6 lbs per gallon (317 grams per liter) minus water (as supplied)
- Heavy Metals:** None



PPG Industries
151 Colfax Street
Springdale, PA 15144
1-800-PPG-ECOAT
www.ppgcoat.com
ecoatinfo@ppg.com

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