Highlights

ELECTROCLEAR 2800 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:

- High performance – excellent solvent and chemical resistance
- Reduced waste with high transfer efficiency (>95%).
- Easy extension of a metal finishing process.
- Robust tank operation.
- Wide process latitude to adapt to customer operations.
- 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.
- Waterborne paint, low VOC, with reduced fire hazard and exposure of hazardous materials to workers.
- The future financial and environmental solution for lacquering metal parts.

Technical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>---</td>
<td>Clear</td>
</tr>
<tr>
<td>Film Thickness</td>
<td>---</td>
<td>12 - 25 microns</td>
</tr>
<tr>
<td>Gloss - 60 Degree</td>
<td>ASTM D523</td>
<td>Full gloss</td>
</tr>
<tr>
<td>Pencil Hardness</td>
<td>ASTM D3363</td>
<td>5H - 6H</td>
</tr>
<tr>
<td>Crosshatch Adhesion</td>
<td>ASTM D3359</td>
<td>100%</td>
</tr>
<tr>
<td>Humidity/Adhesion</td>
<td>ASTM D1735/D3359</td>
<td>500 hrs./100% (no adhesion loss)</td>
</tr>
<tr>
<td>Acetone /MEK Rubs</td>
<td>---</td>
<td>3000+ (20+ microns)</td>
</tr>
<tr>
<td>Perspiration</td>
<td>ANSI/BHMA 156.18-2000</td>
<td>6 - 9 cycles</td>
</tr>
<tr>
<td>Corrosion (Salt Spray)</td>
<td>ASTM B117</td>
<td>500 - 1,000 hrs.</td>
</tr>
<tr>
<td>UV Durability</td>
<td>QUV-A</td>
<td>2,000+ hrs. no effect</td>
</tr>
<tr>
<td>Taber Abrasion</td>
<td>ASTM D4060</td>
<td>&lt; 25 mg./300 cycles</td>
</tr>
</tbody>
</table>

Commercial Uses

- Optical Frames
- Household Decorations
- Furniture Hardware
- Writing Instruments
- Cigarette Lighters
- Extrusions
- Lighting
- Costume Jewelry
- Door Hardware
- Picture Frames
- Office Hardware
- Hand Tools
- Military Insignia
- Performance After-market

Application Data

- Bake (nominal): 20 minutes at 320°F (160°C) metal temperature
- Bake Range: 285-375°F (140-190°C) TBD based upon customer requirements
- VOC: 1.5 - 2.0 lbs per gallon minus water (as supplied)
- Heavy Metals: None

The technical data presented in this bulletin is based upon information believed to be currently accurate. However, no guarantees of accuracy, comprehensiveness, or performance are given or implied. Continuous improvements in coatings technology may cause future technical data to vary from what is in the bulletin. Contact your PPG representative for the most up-to-date information.