POWERCRON® Two-Coat Electrocoat

Epoxy Primer with Acrylic Topcoat

Highlights

POWERCRON® Two-Coat Electrocoat is the highest performing corrosion + UV durability electrocoat technology available.

By using a conductive epoxy primer basecoat with an acrylic topcoat, POWERCRON® Two-Coat Electrocoat is formulated to give the benefits of both corrosion resistance from the basecoat and UV protection from the topcoat.

- Epoxy primer ensures excellent corrosion resistance
- Acrylic topcoat ensures UV stability
- Topcoats available in a wide range of colors and glosses
- Total primer coverage through high throwpower
- Compatibility with Zinc-Phosphate Pretreatment and Thin film pretreatment like PPG's ZIRCOBOND®
- Environmental & economic advantages
  - Excellent transfer efficiency of both primer and topcoat
  - Heavy metal-free formulations
  - Ability for higher throughput than traditional topcoat racking possible

TECHNICAL PROPERTIES

Property	Test Method	Value
Color	---	Primer: Black Topcoat: All Colors Except White
Film Thickness	ASTM D7091	Primer: 0.6 – 1.5 mils Topcoat: 1.0 – 1.5 mils
Gloss - 60 Degree	ASTM D523	25 – 85%
Pencil Hardness	ASTM D3363	2H Minimum
Direct Impact	ASTM D2794	30 – 60 in-lb. Minimum
Crosshatch Adhesion	ASTM D3359 Method B	5B
Salt Spray	ASTM B117	1500 hours Minimum
Humidity	ASTM D1735	1000 Hours Minimum, 5B
Water Immersion	ASTM D870	500 Hours Minimum
Exterior Durability	Florida (1 year)	60 – 90% Gloss Retention

Cold Rolled Steel Lab Panels, Zinc Phosphate Pretreatment.
0.8 mils Average Film Thickness, Cure 20 Minutes @ 350°F (metal) for primer and topcoat.
Film properties vary with substrate, pretreatment and film thickness.

APPLICATION DATA

Standard Bake: **Primer – 20 Minutes at 350 to 375ºF Metal Temperature**
Topcoat – 20 Minutes at 350 to 375ºF Metal Temperature
VOC: **Primer – 1.0 lbs / gallon minus water (as supplied)**
Topcoat – 2.0 - 2.5 lbs / gallon minus water (as supplied) depending on color
HAPs: **None – Please refer to EDS**
Heavy Metals: **None – Please refer to EDS**

COMMERCIAL USES

- Agricultural Implements
- Condensing Coils
- Generator Housings
- Marine Elements
- Cast Iron Pipe