



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 375°F Metal Temperature
 Topcoat – 20 Minutes at 350 to 375°F 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

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.

For comprehensive Health, Safety, and Environmental advice, please refer to the relevant Material Safety Data Sheets, and information printed on the product label.