



## TECHNICAL BULLETIN

### Highlights

POWERCRON 150 is PPG's exceptionally low cure anodic epoxy technology. Its advantages include:

- Low bake capabilities as low as 180°F.
- Superior corrosion properties for anodic technology.
- Outstanding hardness for a low cure product. Minimum 2H pencil hardness, even at 180°F.
- Hardness and corrosion properties improve with increasing cure temperature.
- Wide variety of colors is available, including white.
- Performance over aluminum substrates is excellent.
- Snap cures of 1-2 minutes at 350-400°F.

### Technical Properties

Property	Test Method	Performance
Color	---	All
Film Thickness	---	0.7 - 1.3 Mils
Gloss - 60 Degree	ASTM D523	15 - 60
Pencil Hardness	ASTM D3363	H - 5H
Crosshatch Adhesion	ASTM D3359	4B - 5B
Direct Impact	ASTM D2794	40 - 60 in-lb Minimum
Salt Spray	ASTM B117	100 - 500 Hours
Humidity	ASTM D1735	500 Hours Minimum
Water Soak	ASTM D870	250 Hours Minimum
Gravelometer	GM 9508P	6 Minimum

Film properties based on iron phosphate pretreatment

Property	Substrate / Pretreatment	Salt Spray*	Salt Spray*
		240 Hours	336 Hours
Corrosion Resistance	CRS/Zinc Phos/Non-Chrome	4 - 6 mm	6 - 9 mm
	CRS/Iron Phos/Non-Chrome	12 - 20 mm	18 - 24 mm

(Average Total Scribe Creep), \* Salt Spray - ASTM B117  
Cold Rolled Steel Lab Panels  
Cure 20 Minutes @ 225°F

### Commercial Uses

- Agricultural Implements
- Aluminum Substrates
- Assemblies
- Compressors
- Concrete Reinforcement
- Construction Equipment
- Engines & Motors
- Fork Lifts
- Galvanized Substrates
- Heavy Duty Castings
- Military Aircraft
- Pipe
- Plated Plastics
- Structural Steel

### Application Data

**Bake:** 20 minutes at 180-250°F (82-121°C) metal temperature depending on desired film properties  
**VOC:** 1.1 - 1.8 lbs per gallon minus water (as supplied)  
**HAPs:** None  
**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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