



## TECHNICAL BULLETIN

### Highlights

POWERCRON 830 has excellent corrosion resistance in an acrylic formulation. Its advantages include:

- Offers corrosion and UV resistance in one package.
- Corrosion resistance in excess of 500 hours.
- The ability to replace two-coat operations with a similarly performing one-coat process.
- Excellent throwpower for products with deep recesses or when dense line loads are common.
- Excellent chip resistance.
- Low VOC.
- HAPs-Free
- Heavy metal-free formulation available.
- UL 1332 recognized.



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### Technical Properties

Property	Test Method	Performance
Color	---	Medium to Dark
Film Thickness	---	0.7 - 1.3 Mils
Gloss - 60 Degree	ASTM D523	20 - 80
Pencil Hardness	ASTM D3363	2H+
Crosshatch Adhesion	ASTM D3359	95 - 100%
Direct Impact	ASTM D2794	60 in-lb Minimum
Salt Spray	ASTM B117	500 Hours Minimum
Humidity	ASTM D1735	500 Hours Minimum
Water Soak	ASTM D870	250 Hours Minimum

Film property ranges based on various substrates and typical pretreatments

Property	Substrate / Pretreatment	Salt Spray* 500 Hrs	Salt Spray* 1000 Hrs	20 Cycle** Scab
Corrosion Resistance	CRS/Zinc Phos/Non-Chrome	0 - 2 mm	2 - 4 mm	3 - 6 mm
	CRS/Iron Phos/Non-Chrome	3 - 5 mm	5 - 10 mm	4 - 8 mm

(Average Total Scribe Creep), \* Salt Spray - ASTM B117  
\*\*Cycle Scab-GM9511P, Cold Rolled Steel Lab Panels

### Commercial Uses

- Agricultural Implements
- Automotive, Truck & Motorcycle Accessories
- Clears
- Primer under Powder
- Switchgear
- Wheels
- Windshield Wipers

### Application Data

**Bake:** 20 minutes at 350°F (177°C) metal temperature – Standard Cure  
**VOC:** 1.6 – 2.1 lbs per gallon minus water (as supplied)  
**HAPs:** None  
**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.