

# POWERCRON® 920

## HIGHLIGHTS

The POWERCRON 920 family of products combines a multitude of film properties making it a high performance finish formulated to meet the demanding coating requirements of the appliance industry. Its advantages include:

- Capable of maintaining a bright white finish in a one-coat application
- Corrosion resistance in excess of 750 hours.
- Low HAPs technology.
- Available in a wide range of colors and glosses.
- Excellent color and gloss retention.
- Excellent hardness with a minimum hardness rating of 3H.
- The ability to replace two-coat operations with a similarly performing one-coat process.
- Heavy metal free formulation.

## TECHNICAL PROPERTIES

Property	Test Method	Performance
Color	---	All Colors
Film Thickness	---	0.8 - 1.2 Mills
Gloss - 60 Degree	ASTM D523	20 - 80%
Pencil Hardness	ASTM D3363	3H Minimum
Crosshatch Adhesion	ASTM D3359	95 - 100%
Direct Impact	ASTM D2794	40 in-lb Minimum
Salt Spray	ASTM B117	750 Hours Minimum
Detergent Resistance	ASTM D2248	200 Hours Minimum
Humidity	ASTM D1735	2000 Hours Minimum
Water Soak	ASTM D870	250 Hours Minimum
Ultraviolet Durability	QUV (100 Hours)	50% + Retention

Film properties based on zinc phosphate pretreatment with chrome seal.

Property	Substrate/Pretreatment	Salt Spray 300 Hours	Salt Spray 500 Hours	Salt Spray 750 Hours
Corrosion Resistance	Zinc Phosphate/Non-Chrome	0 mm	0 - 2 mm	1 - 3 mm
	Iron Phosphate/Non-Chrome	0 - 2 mm	2 - 6 mm	

(Average Total Scribe Creep), \*Salt Spray - ASTM B1175

Property	Product	500 Hours - Bright White
Durability	POWERCRON 920	Delta L, a, b color change - < 1.5 units

QUV Method - ASTM G53  
 Cycles - 8 Hours UV/4 Hours Condensation  
 Bulbs - UVA 340

\*Note: QUV results vary according to pigment formulation and cure temperature. Above numbers should be considered average.

## COMMERCIAL USES/APPROVAL

- Agricultural Implements
- Air Conditioners
- Heavy Duty Equipment
- Laundry
- Microwave Ovens
- Refrigeration Products
- Switchgear
- Transformers
- Water Coolers
- Welding Equipment
- Wheels

## APPLICATION DATA

**Bake:** 20 minutes at 350° F metal temperature  
**VOC:** 2.1 lbs per blended gallon minus water (as supplied)  
**HAPs:** 0.91 lbs per solid gallon (blended)  
**Heavy Metals:** None