

# POWERCRON® 937A

## HIGHLIGHTS

POWERCRON 937A is PPG's latest one-coat cathodic acrylic electrocoat offering an optimal combination of weatherability and corrosion resistance. Its advantages include:

- Heavy metal-free.
- Excellent color and gloss retention.
- Corrosion resistance in excess of 500 hours.
- Excellent Topcoatability.
- Improved flexibility.
- Reduced fume yellowing.
- The ability to replace two-coat operations with a similarly performing one-coat process.
- Excellent hardness with a minimum rating of 2H.
- Wide color and gloss range possible.

## TECHNICAL PROPERTIES

Property	Test Method	Performance
Color	---	All Colors
Film Thickness	---	0.8 - 1.5 Mills
Gloss - 60 Degree	ASTM D523	30 - 80
Pencil Hardness	ASTM D3363	2H Minimum
Crosshatch Adhesion	ASTM D3359	95 - 100%
Direct Impact	ASTM D2794	20 in-lb Minimum
Humidity	ASTM D1735	500 Hours Minimum
Water Soak	ASTM D870	250 Hours Minimum

Film properties based on iron phosphate pretreatment with chrome seal.

Property	Pretreatment	Salt Spray 500 Hours	Salt Spray 700 Hours	Salt Spray 1000 Hours
Corrosion Resistance	Zinc Phosphate/Non Chrome	0 - 4 mm	----	----
	Iron Phosphate/Chrome	----	2 - 5 mm	----

(Average Total Scribe Creep), \*Salt Spray - ASTM B117

## COMMERCIAL USES

- Agricultural Implements
- Air Conditioners
- Clears for Brass and other Plated Substrates
- Heavy Duty Equipment
- Lawn & Garden
- Microwave Ovens
- Refrigeration Products
- Switchgear
- Transformers
- Water Coolers
- Welding Equipment

## APPLICATION DATA

**Bake:** 20 minutes at 350°F (177°C) metal temperature\*  
**VOC:** 2.5 - 2.9 lbs. per gallon minus water (as supplied)  
**HAPs:** < 0.1 lbs. per gallon (as supplied)  
**Heavy Metals:** None

\*Should be used with catalyzed paste