



UL Component Recognitions for PPG Industrial Electrocoat Products



UL1332: Standard for Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment (DTOV2)

General E-Coat Technology Attributes

	Cationic Acrylic	Cationic Epoxy	Anionic Acrylic
Resin Codes	CR830, CR925, CR935	CF590-534, CR691B, CR460	AR210, AR394
Corrosion (Salt Spray)	+	++	-
UV Resistance	++	Requires Topcoat	+-
Color Control	++	-	++
Comments	<ul style="list-style-type: none"> Used for one-coat applications Balance of corrosion performance and UV durability Corrosion resistance in excess of 500 hours 	<ul style="list-style-type: none"> Most widely used e-coat technology Must be topcoated with UV-durable topcoat if UV resistance is required Cationic epoxy e-coat + UV-durable topcoat offers the highest overall performance* 	<ul style="list-style-type: none"> Best for interior applications Reduced bake capabilities as low as 300° F AR394: Designed for high throwpower needed for painting metal cabinetry; excellent corrosion properties AR210: Most economical electrocoat

Springdale, PA & Oak Creek, WI • File No. MH6892

Brand	POWERCRON® 925	Powercron 925	Powercron 935	Powercron 935
Product	CR925/CP916	CR925/CP973	CR935/CP916	CR935/CP973
Color	Gray (ASA61)	Gray (ASA49)	Gray (ASA61)	Gray (ASA49)
Chemistry	Cationic acrylic	Cationic acrylic	Cationic acrylic	Cationic acrylic
Substrate / Pretreatment	Cold-rolled steel / 5-stage iron phosphate / zinc-coated sheet steel (G30 or greater) / 5-stage iron phosphate	Cold-rolled steel / 5-stage iron phosphate	Cold-rolled steel / 5-stage iron phosphate	Cold-rolled steel / 5-stage iron phosphate
Film Thickness	Minimum 0.9 mils	Minimum 0.9 mils	Minimum 0.9 mils	Minimum 0.9 mils
Bake	20 min. / 375° F	20 min. / 375° F	20 min. / 350° F	20 min. / 350° F
Corrosion Resistance	+	+	+	+
Chemical Resistance	+	+	+	+
Direct UV Resistance	++	++	++	++
Color Control	++	++	++	++

++ Excellent + Good - Not Recommended +- Situation Dependent

* UV-durable topcoats are typically liquid or powder; two-coat e-coat with acrylic topcoat may also be considered

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Brand	<i>Powercron 830</i>	<i>Powercron XP</i>	<i>Powercron 590</i>	<i>Powercron 6000 CX</i>
Product	CR830/CP816	CR460/CP415D	CF590-534	CR691B/CP524
Color	Gray	Black	Black	CP524 = Black Other pastes / colors available
Chemistry	Cationic acrylic	Cationic epoxy	Cationic epoxy	Cationic epoxy
Substrate / Pretreatment	Cold-rolled steel / iron phosphate	Cold-rolled steel / 5-stage iron phosphate Cold-rolled steel / 7-stage zinc phosphate	Cold-rolled steel / 5-stage iron phosphate Cold-rolled steel / 5-stage zinc phosphate	Cold-rolled steel / 5-stage iron phosphate Cold-rolled steel / 7-stage zinc phosphate
Film Thickness	Minimum 0.9 mils	Minimum 0.8 mils	Minimum 0.8 mils	Minimum 0.8 mils
Bake	20 min. / 350° F	20 min. / 350° F	20 min. / 375° F	20 min. / 350° F
Corrosion Resistance	++	++	++	++
Chemical Resistance	+	++	++	++
Direct UV Resistance	-	Performance based on topcoat	Performance based on topcoat	Performance based on topcoat
Color Control	+-	Color based on topcoat	Color based on topcoat	Color based on topcoat

Brand	<i>Powercron 210</i>	<i>Powercron 394</i>
Product	AR210 / AP294	AR394/AP281
Color	Gray (ASA61)	Gray (ASA49)
Chemistry	Anionic acrylic	Anionic acrylic
Substrate / Pretreatment	Cold-rolled steel / iron phosphate Cold-rolled steel / zinc phosphate Galvanized or zinc-clad steel / zinc phosphate	Cold-rolled steel / iron phosphate Cold-rolled steel / zinc phosphate Galvanized or zinc-clad steel / zinc phosphate
Film Thickness	0.5 to 1.5 mils	0.5 to 1.5 mils
Bake	20 min. / 350° F	20 min. / 350° F
Corrosion Resistance	-	-
Chemical Resistance	-	-
Direct UV Resistance	+-	+-
Color Control	++	++

++ Excellent + Good - Not Recommended +- Situation Dependent