

## E-Coat

### Black Cationic Epoxy E-Coat

Pioneer Oshkosh's E-Coat process is set-up to handle the bulk of your finishing requirements. Our zinc phosphate pre-treatment process has the ability to handle multiple base metals and is ideal for the highest level of corrosion protection.

Pioneer's E-Coat process provides the most comprehensive coverage, especially around tough edges. Our E-Coat process produces a medium gloss black finish and can be utilized either as a sole finish, or as a primer before a liquid or powder topcoat application. E-Coat is your best choice for corrosion protection.

### CAPABILITIES

Part Size Limit	Weight Limit
8'L x 4'W x 4'H	400 lbs

### FILM PROPERTIES

Property	Test Method	Performance
Film Thickness	---	0.4 – 1.2 Mils
Gloss – 60 Degree	ASTM D23-89	50 – 70
Pencil Hardness	ASTM D3363-00	2H Minimum
Direct Impact	ASTM D2794-93	100 in-lb Minimum
Reverse Impact	ASTM D3359-97	60 in-lb Minimum
Cross – Hatch Adhesion	ASTM D1735-99	1000 Hours Minimum
Humidity	ASTM D870-97	250 Hours Minimum
Water Immersion	GM 9508P	6 Minimum
Gravelometer	GM 9632P	40 Rust Spot (Avg.)
Throwpower	GM 9535P	12 – 15 Inches

Cold Rolled Steel Lab Panels, Zinc Phosphate Pretreatment, 1000 Hour Salt Spray – ASTM B117-97 per 0 – 1 mm creep, Cure 10 Minutes @ 325° F.

### CORROSION RESISTANCE

Substrate / Pretreatment	Salt Spray* 1000 Hours
**CRS / Zinc Phos / Non - Chrome	0 – 1 mm

\*Salt Spray – ASTM B117-97, \*\*Cold Rolled Steel Lab Panels Cure 10 Minutes @ 325° F

- Pioneer Oshkosh's Black Cationic Epoxy E-Coat provides excellent corrosion protection with exceptional edge coverage, especially on sharp edges.
- System Pre-treatment meets military TT-C-490E.
- Pretreatment and E-Coat is RoHs Compliant.
- Meets MIL-DTL-53084 as a primer for military CARC (Chemical Agent Resistant Coatings).
- Pioneer also offers Wet Paint and Powder Coat, which can be utilized as topcoat applications over an E-Coat primer.
- Ability to serve multiple commercial components, including, but not limited to:
  - Automotive Parts & Accessories
  - Compressors
  - Fasteners
  - Computer Parts
  - Heavy Duty Trucks
  - Agriculture & Construction
  - Marine Engines
  - Switchgear
  - Transformers