

## THE PROCESS

### *Part of Pioneer's Family of Finishes for Aluminum Die*

The EnduraGuard™ process combines conventional anodizing with a proprietary sealing process to produce a coating that resists creep corrosion while exhibiting superior adhesion qualities. EnduraGuard is recommended particularly when corrosion resistance conditions are demanding.

## PERFORMANCE BENEFITS

3000+ hrs of salt spray w/ a Crosshatch test is achievable in some applications.

Guards against Acid and Alkaline attacks.

Fights filiform corrosion.

Improves appearance and has a non-aging finish.

Unmatched color consistency.

## PERFORMANCE TESTS

<u>PROPERTY</u>	<u>ALUMINUM ALLOY</u>
Appearance	Gloss to semi-gloss
Hardness (Pencil) (ASTM 8 3363)	3H - 5H
Thickness (Eddie Current)	0.5-0.2 mils
Salt Spray (with cross hatch)	>1000 hours
Acid Resistance (H <sub>2</sub> SO <sub>4</sub> 5% @ 68°F)	>300 hours
Alkaline Resistance (NaOH 5% @ 68° F)	>300 hours
Solvent Resistance (MIBK)	>20 double rubs
QUV UVB Test	500 hours

## THE OVERVIEW

### **EnduraGuard™**

Pioneer's Research and Development experts engineered a diverse portfolio of processes capable of satisfying a broad range of aluminum finishing needs. EnduraGuard provides the highest level of chemical and corrosion resistance of all the Pioneer anodize coatings. While EnduraGuard is suitable for all aluminum alloys, this process specifically improves aesthetics and corrosion resistance for die cast aluminum parts.

[CLICK HERE TO VIEW IMAGES OF THIS PROCESS](#)

### **RECEPTIVE METALS**

Aluminum Alloys

### **THICKNESS**

.0001 - .001"

### **MAX PART SIZE**

55" X 36" x 23"

### **SPECIFICATIONS**

Proprietary Process



PRINT PRINTER FRIENDLY PDF



CONTACT A REPRESENTATIVE ABOUT THIS SERVICE

**FOR OTHER PIONEER FINISHING SOLUTIONS VISIT**

**WWW.PIONEERMETAL.COM**

METAL FINISHING