Type	Colors	Benefits	Specification	Thickness Range
ANODIZING* Type II, Classes 1&2 Conventional	Black, Royal Blue, Red, Gold, Blue A Upon Request: Purple, Citron, Gunmetal Grey, Green, Orange	• High Corrosion Resistance • Decorative • Good Dielectric Properties • Increased Durability • Scratch Resistance	**MIL-A-8625** >336 hrs salt spray	0.0001" – 0.001" (0.0005" required to dye) 65% Penetration 35% Growth (Approximate)
HARDCOAT ANODIZING* Type III, Classes 1&2 Industrial	Natural Grey Bronze and Black Custom Colors Available	• High Corrosion Resistance • Decorative • Excellent Dielectric Properties • Increased Durability • Scratch & Wear Resistance	**MIL-A-8625** 1000-2000 hrs salt spray	0.0005" – 0.002" 50% Penetration 50% Growth (Approximate)
CHROMATE CONVERSION Type I (hexavalent) Class 1A & 3 (Gold) Class 3 (Clear) Type II TCP (Trivalent Chromate)	Gold and Clear Light Blue Tint	• Corrosion Resistance • Pre-Treatment for Paint/Adhesives • Quick and Easy to Apply • Cost Effective • Electrically Conductive • TCP is WEEE/RoHS Compliant	**MIL-DTL-5541** >168 hrs salt spray	None
STAINLESS STEEL PASSIVATION Nitric Acid Process	Not Applicable	• Maximizes Corrosion Resistance • Removes Surface Contaminants	**ASTM A380, ASTM A967**	Not Applicable

*Alpha Metal Finishing utilizes sulfuric acid only.

***Testing**:*

- *American Society for Testing and Materials (ASTM) International*
- *ASTM-B 117 Salt Spray (Fog) Apparatus, Operating*
- *ASTM-B 137 Measurement of Weight of Coating on Anodically Coated Aluminum*
- *ASTM-B 244 Measurement of Anodic Coatings of Aluminum and Other Non-Conductive Coatings on Non-Magnetic Base Metals With Eddy Current Instruments*

***Tank Dimensions:** 48"(L) x 30"(W) x 44"(D)*

Alpha Metal Finishing Company

Finish It Right From The Beginning