

Type	Colors	Benefits	MIL Spec	Thickness Range
<b>Anodizing (Soft Coat)</b>  Type II, Classes 1&2 Conventional	Clear, Black, Gold, Red, Blue, Orange, Green & Grey  Custom colors available	High Corrosion Resistance, Decorative, Non-Conductive, Stain Resistance, Increased Durability, and Scratch Resistance	MIL-A-8625  >336 hrs salt spray	0.0001" – 0.001"  (0.0005" required to dye)  50% Penetration 50% Growth (Approximate)
<b>Anodizing (Hardcoat)</b>  Type III, Classes 1&2 Industrial	Dark Grey - 6161  Grey Bronze - 7075  Black	High Corrosion Resistance, Decorative, Non-Conductive, Stain Resistance, Increased Durability, Scratch , and Wear Resistance	MIL-A-8625	0.0005" – 0.003"  50% Penetration 50% Growth (Approximate)
<b>Chromate Conversion</b>  Type I (contains hexavalent chromium) Class 1A & 3 (Gold) Class 3 (Clear)  Type II TCP (Trivalent Chromate Product – contains no hexavalent chromium)	Gold & Clear          Light Blue Tint	Increased Corrosion Resistance, Good Pre-Treatment for Paint and Adhesives, Quick and Easy to Apply, Cost Effective  Electrically Conductive  TCP is WEEE and RoHS Compliant	MIL-DTL-5541  >168 hrs salt spray	None

\*Alpha Metal Finishing Company utilizes Sulfuric Acid only.

**\*\*Testing:**

- American Society for Testing & 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 on Aluminum and of Other Non-conductive Coatings on Non-magnetic Basis Metals with Eddy Current Instruments

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

