CHROMIC ACID ANODIZING

Characteristics

- Thickness 2-8 µm.
- Low abrasion resistance and easily scratched compared to sulfuric acid or hard anodizing.
- Far better corrosion resistance compared to chromate conversion coatings.
- Little influence on fatigue strength.
- Rests of electrolyte are non-corrosive towards aluminum.

Specification

- MIL-A-8625; Type I, IB; Class 1 of 2

  Type I chromic acid anodizing applicable for most aluminum alloys

  Type IB chromic acid anodized coating applied at a lower voltage
  especially for heat treated 7000 series alloys for which a high voltage has a negative influence on the heat treatment

  Class 1 non-dyed coatings

  Class 2 dyed coating
  the color of the coating shall be specified on the drawing or purchase order

  Remark: seen the relatively low coating thickness, dying of the layer will not always give descent results

  Without any further indication chromic acid anodic coatings will be sealed.

- AMS–2470

Restrictions

Coating shall not be implied on alloys containing more than 5% copper, 7% silicon or 7,5% total alloying elements.

Approvals

- Boeing
- British Aerospace
- DASA
- Fokker
- McDonnell Douglas