



## APPLICATIONS

Aerospace • Electronic cabinets • Aluminum stampings  
Electronic components • Zinc die castings • Aluminum die castings

## Chromate Conversion Coatings

Chromate conversion coatings, sometimes referred to as chemical conversion, chem film, Iridite® or Alodine®, refers to the process of applying a thin barrier coating to passivate aluminum substrates. The chromate conversion coating is a thin inert layer with self-healing properties that protect the substrate, boosting corrosion protection, improving electrical conductivity, and providing excellent paint adhesion.

Eco Finishing offers a selection of different chromates conversion coatings. We can help you determine the best chromate option for your needs based on the final use of the parts. Hexavalent chromates offer a superior level of corrosion protection; however, usage of hexavalent chromium present in these products has been reduced due to regulations such as RoHS. Trivalent conversion coatings are RoHS compliant as they do not contain hexavalent chromium. Chromate conversion coatings also provide brighter and more uniform appearance or color to the parts.

### CHROMATE CONVERSIONS AVAILABLE ON ALUMINUM

	Hexavalent	Trivalent (RoHS Compliant)
Clear	X	X
Yellow	X	

### SPECIFICATIONS

MIL-DTL-5541 Type I & II, Class 1A & 3

### CAPABILITIES & RELATED SERVICES

- Salt spray testing
- Stripping
- Tumbling
- Blasting
- Packaging
- Masking

### COMMON SUBSTRATES

- 2000 series
- 5000 series
- 6000 series
- 7000 series
- Tooling plate

## LEARN MORE ABOUT CHROMATE CONVERSION COATINGS

Eco Finishing can help you find the chromate conversion coating that fits your needs.  
Contact our Fridley office at (763) 574-1000 or contact us for a risk-free quote at [www.ecofinishing.com](http://www.ecofinishing.com).