

# CHROMATE CONVERSION COATINGS

## Characteristics

- Fairly cheap process
- Will normally give enough corrosion protection for parts used inside machinery (although every application should be separately reviewed)
- Conducts electricity
- No influence on geometrical measurements
- Offers almost no abrasion resistance
- Assures good paint adhesion
- Coating is very sensible for mechanical scratching
- Chem film offers less corrosion resistance than anodizing

## Specifications

MIL-C-5541; Class 1A of 3

Class 1A used as a corrosion inhibiting film or to provide good adhesion properties for lacquer applications.

Class 3 corrosion inhibiting film for electrical and electronic applications where low resistance contacts are required.

The primary difference between a Class 1A and a Class 3 coating is thickness.

## Approvals

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