



CHEM PROCESSING, INC.

Platings & Coatings for Industry

Chem Film

Chem Film, sometimes called by the trade names Alodine or Iridite, is a chemical conversion coating that is used to passivate aluminum. It protects aluminum substrates from corrosion and serves as a base for organic coatings while leaving dimensions unchanged. Chem Film is applied by dipping, spraying or brushing. It is sometimes applied alongside Type II Anodizing and can be used to repair minor damage to anodized surfaces. The resultant coating is dull, clear yellow or grey, and not intended for decorative use.

Chem Processing Inc. Chem Film Capabilities:

- Available Masking for Selective Surface Chem Filming
- Salt Spray Corrosion Test (minimum 168 hours of salt spray resistance)
- RoHS compliant Chem Film (MIL-DTL-5541 Type 2)
- Repair of anodized surfaces (per MIL-A-8625)
- Bulk or individual processing

Applicable Specifications:

MIL-DTL-5541

MIL-C-81706

AMS-2474

AMS-C-5541

Process performed to other customer specifications as requested.

Chem Film Properties:

- Does not affect dimensional tolerances
- Electrically conductive (MIL-DTL-5541 Class 3)
- Excellent adhesive base for organic coatings
- Good corrosion protection (MIL-DTL-5541 Class 1A)

Chem Processing Inc. is committed to excellence in metal finishing. Chem Processing Inc. uses their engineering expertise and computerized process controls to **exceed their customer's expectations** when adherence to strict thickness specifications is essential.