



MP Eastern offer Alocrom 1000/1200 and SurTec 650 TCP

Usually chromate conversion coatings are specified for corrosion resistance, low electrical contact resistance on aluminium.

Alocrom 1000 is a clear to colourless coating used for low electrical contact resistance.

Alocrom 1200 is a yellow to brown coating used as a base for paint or for improved corrosion resistance.

SurTec 650 TCP is a trivalent chromate, the coating is clear to colourless and is depending upon application conditions is used for corrosion resistance or low electrical contact resistance.

When specifying chromating, wherever possible we recommend referring to published standards, most standards will require you to provide at least the following information to your supplier;

- Specification reference.
- The grade and temper condition of the material
- Significant surfaces
- Type/grade of conversion coating required.
- Any areas that cannot be used for jigging.
- Any special inspection and packing requirements.

If parts are to be painted after processing there are restrictions on the time delay between conversion coating and painting.

SurTec 650 TCP is hexavalent chromium free.

The manufacturers of Alocrom 1000/1200 state that these coatings are RoHS/ELV compliant when dried in accordance with their instructions, however these drying temperatures are higher than the permitted drying temperature in AMS 03-18

Alocrom is also known as Alodine.



INFORMATION SHEET – CHROMATE ON ALUMINIUM

For more information contact sales@mpeastern.co.uk Tel No: 01502 573047

In the table below we have summarised information from the standards we typically process to. We also hold a large library of customer specific, superseded/legacy specifications so contact us if you need any help.

Standards for specifying chromating

Standard	Notes	Comments
AMS 03-18	The appearance of the chromate film is related to the thickness of the chromate film, with thinner coatings transparent to colourless and thicker films yellow/iridescent to yellow. Types of coating; Code C – Corrosion resistance – yellow/brown Code E – Electrical conductivity – colourless/iridescent Code P – Painting/bonding/priming – yellow Code T – Temporary protective surface (coating removed after storage) – light yellow	Supersedes; Def Stan 03-18/4
IL-DTL-5541	Type I – Coatings containing hexavalent chrome Type II – Coatings containing no hexavalent chrome Class 1A – For maximum protection against corrosion , painted or unpainted Class 3 – For protection against corrosion where low electrical contact resistance is needed.	Supersedes; MIL-C-5541