

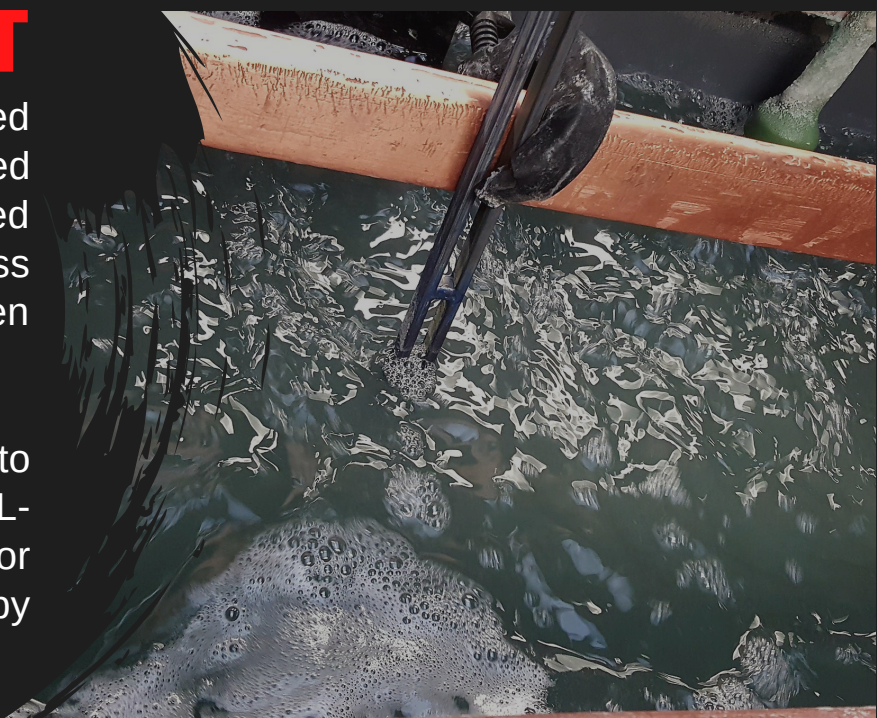
WHAT IS CLEAR CHEM?

Anti-corrosive aluminium treatment at a glance

Chemical Conversion Coating for Aluminium or "Clear chem film" is a surface treatment process on clean, oxide-free aluminium and aluminium alloy surfaces providing excellent corrosion protection whilst **maintaining the part's ability to conduct electricity**.

THE SCIENCE BIT

- Surtec 650 is a concentrated liquid trivalent chromium based chemical which when diluted with water will form a colourless to an iridescent blue/green protective chromate coating
- It is approved for **aerospace** to U.S. MIL-DTL-81706 and MIL-DTL-5541 F and for **Architectural Aluminium** by Qualicoat.



HOW TO CLEAR CHEM ALUMINIUM

HOT CLEAN

The parts are cleaned to remove any excess grease, oil, machining debris etc.

DEOXIDISED

Residual oxides on the surface are then removed

RINSE

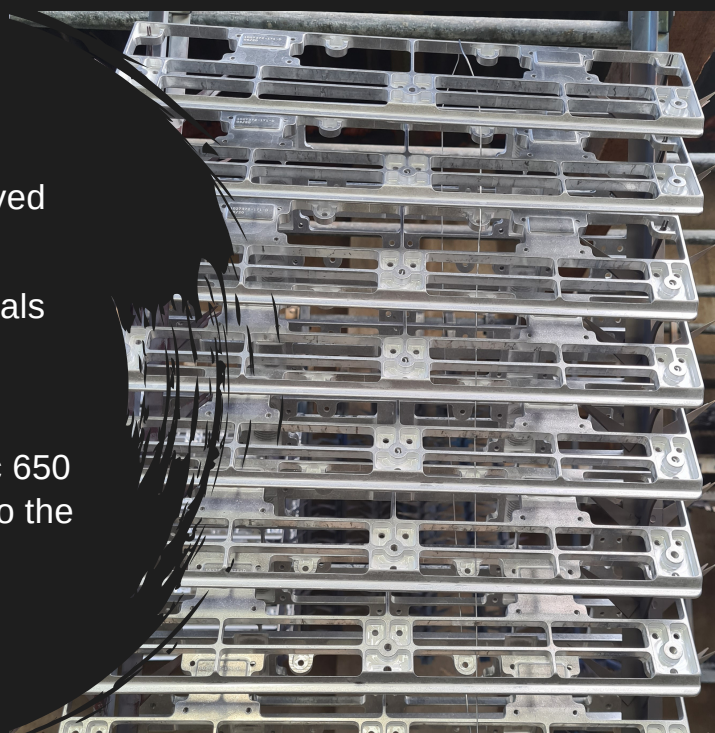
Cold water rinses remove the cleaning chemicals used before going into the clear chem tank.

SURTEC 650 DIP

The parts are submerged into a tank of Surtec 650 for a set time at a set temperature according to the customer requirements

DRYING

The parts are dried, carefully packaged and dispatched to the customer



BENEFITS OF SURTEC 650

Environmentally Responsible

Process does not use toxic and dangerous hexavalent chromium - meeting all RoHS test criteria and REACH Compliant

- Can be used as an alternative to Alocrom 1200 & 1000 subject to end use.

Anodising Repairs

Can be used to repair anodised coatings and refresh them before painting.

Fast Turn Around

Our Clear chem process is usually a same day turn around depending on part size and batch quantity

Anti-Corrosive Protection

Excellent corrosion protection with or without paint.

Cost Effective

Chemical conversion is not as expensive as anodising

Good Paint Base

Surtec 650 treatment provides excellent paint or powder adhesion allowing metal deformation after painting.

Electrical Conductivity

Surtec 650 treatment coating will easily conduct electricity