

# Aluminum Chromate



COTEC has various surface treatment technologies and the company concentrates on products development and quality control to develop various surface treatment items



## Production items and applications

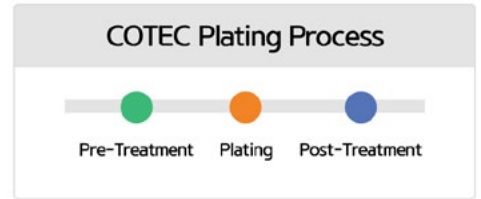
Department / Material		Aircraft parts, Defence / Al	
Usage		Decorative, Undercoating, Electric conductivity and corrosion resistance	
Applied specifications	MIL-DTL-5541	Weight of coatings	0.43g / m <sup>2</sup> for Type 1A Not specified for Type 3
	MIL-C-5541	Corrosion resistance	Type 1A and 3A : salt spray test for 168 hours less than 15 spots which are less than 0.794 mm each within the spray area of 0.81cm <sup>2</sup>
	BAC 5719		
	AIPI 02-05-001	Adhesiveness	After coating, scrape the coated surface with knife in cross strips and conduct the adhesive test with tape
	FEIS 1111	Adhesion of paint	Scribe two crossing lines on the primer. Paint should not be peeled off after 24 hours of drying preceded by 500 hours of salt spray test
NE 40-006	Adhesion of film	Bending test using 6mm bar according to ISO 1519 after primer coating	
PPS 32.01	Acceptance	External	BOEING, AIRBUS, MBD, CLAVERHAM, EMBRAER, BOMBARDIER, AH
MP 62.41.10		Internal	HYUNDAE WIA, DOOWON, HANHWA, KAI, KAL, LIG NEX 1, ADD
KS W 1120			

## Equipment condition

COTEC	Small	800 × 600 × 1,200 mm
	Medium	4,000 × 800 × 3,000 mm
	Large	8,500 × 4,000 × 3,500 mm
4,000 × 8,000 × 3,000 mm		
AERO COTEC		8,000 × 800 × 3,000 mm

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Capable of coating complex parts



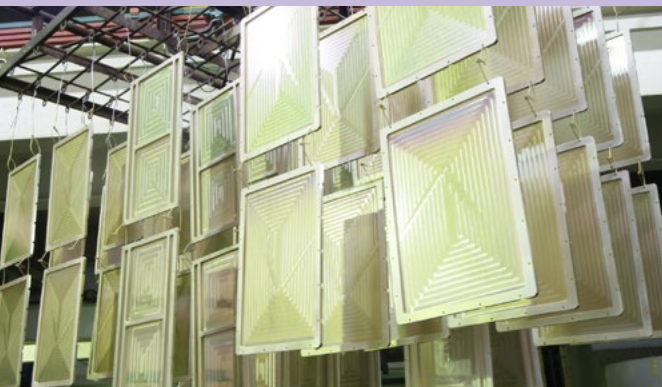
## Our technologies and their applications

### Characteristic

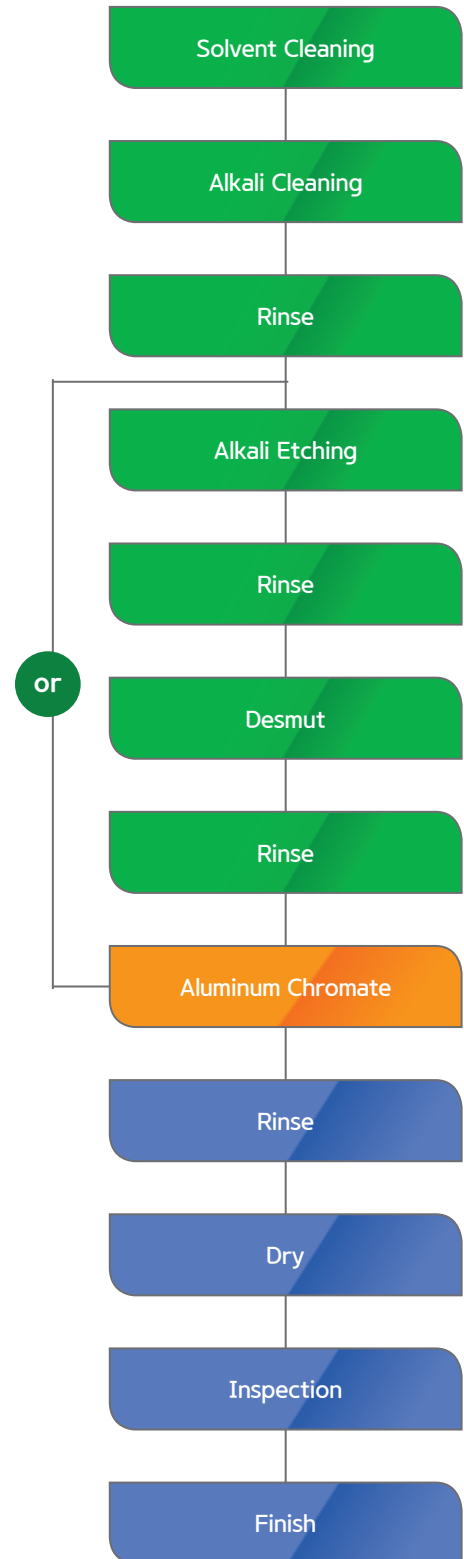
- It is beautiful and resistant to fingerprints.
- Used for undercoating for corrosion resistance and improvement of adhesiveness for aluminium coating.
- Good effect on the contact point of electric parts by giving conductivity and corrosion resistance.
- Dyeing is possible.
- The coating layer is the inert oxide coat that is around 0.25 μm thick.
- It has a self-healing effect on worn out coating surfaces. The coating is generated without the thin coating layer.

### Applicable parts

Defense equipment parts, Aircraft parts, Automotive parts, Architectural sash



## Process



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