



Brussels, 8.4.2020
C(2020) 2073 final

ANNEX

ANNEX

to the

**COMMISSION IMPLEMENTING DECISION
of 8.4.2020**

**partially granting an authorisation for certain uses of potassium dichromate under
Regulation (EC) No 1907/2006 of the European Parliament and of the Council
(Brenntag UK Ltd)**

ANNEX

Potassium dichromate-based surface treatment processes and required key functionalities

Type of process	Process	Key functionalities
Pre-treatment	Cleaning	These processes are pre-treatment processes used in conjunction with a main or post-treatment process. The key functionalities are defined by the subsequent processes.
	Pickling/Etching	
	Deoxidising	
	Desmutting	
	Stripping	
Main treatment	Chemical / Chromate Conversion Coating CCC – Aluminium CCC	Corrosion resistance
		Adhesion to subsequent layer
		Chemical resistance
		Active corrosion inhibition
		Resistivity
	Chromate Conversion Coating CCC – Magnesium CCC	Corrosion resistance
		Active corrosion inhibition
		Layer thickness
		Adhesion to subsequent layer
		Chemical resistance
	Passivation of stainless steel	Corrosion resistance
		Adhesion to subsequent layer
		Embrittlement / heat treatment
	Electroplating processes	Hardness
		Layer thickness
		Corrosion resistance
Abrasion / wear resistance		
Post-treatment	Sealing after anodizing (with subsequent paint or unpainted)	Corrosion resistance
		Layer thickness
		Adhesion to subsequent layer
		Chemical resistance
	Chromate Rinsing after phosphating	Corrosion resistance
		Adhesion to subsequent layer
	Passivation of metallic coatings	Corrosion resistance
		Layer thickness
		Adhesion to subsequent layer
		Chemical resistance
		Temperature resistance
		Resistivity