



Brussels, 14.4.2020  
C(2020) 2085 final

ANNEX

**ANNEX**

**to the**

**COMMISSION IMPLEMENTING DECISION  
of 14.4.2020**

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

## ANNEX

### **Potassium dichromate-based surface treatment processes and required key functionalities**

Type of process	Process	Key functionalities
<b>Pre-treatment</b>	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	
<b>Main treatment</b>	Chemical / Chromate Conversion Coating CCC – <b>Aluminium CCC</b>	Corrosion resistance
		Adhesion to subsequent layer
		Chemical resistance
		Active corrosion inhibition
		Resistivity
	Chromate Conversion Coating CCC – <b>Magnesium CCC</b>	Corrosion resistance
		Active corrosion inhibition
		Layer thickness
		Adhesion to subsequent layer
		Chemical resistance
		Resistivity
	Passivation of stainless steel	Corrosion resistance
		Adhesion to subsequent layer
		Embrittlement / heat treatment
	Electroplating processes	Hardness
		Layer thickness
Corrosion resistance		
Abrasion / wear resistance		
<b>Post-treatment</b>	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		