

- very suitable
- suitable
- adequate
- less suitable
- not suitable/not possible

	Decorative Applications	Technical Applications	Well-Defined Electrical Conductivity/Contact Resistance	Electrical Isolation/Breakdown	Wear Resistance	Corrosion Protection	Heat Resistance	UV-Resistance/Weatherproof	Sliding Properties	Radiation of Heat	Adhesion Properties	Light Reflection	Embrittlement
Mechanical pre-treatments													
Grinding/Grinding-brushing	••	•											
Brushing/Scotching	••	•											
Polishing	••	•											
Blasting (special fused alumina, glass bead etc.)	••	•											•
Vibratory grinding		•											•
Chemical pre-treatments													
Alkaline degreasing													
Etching/Matt etching	••	••											
Chemical polishing	••											••	
Electrolytic polishing	••												
Cleaning of vacuum components	•	••											
Electrolytic surface conversions													
Anodising/Electrolytic oxidation	••	••		•	•	••	•	••		•		•	
Anodising to „British Standard“ quality	••	••		•	•	••	•	••		•		•	
Anodising to „SSG Structural Glazing“ quality	••	••		•	•	••	•	••		•	•	•	
Anodising with increased hardness	••	••		•	•	••	•	••		•		•	
Hard anodising/hard electrolytic oxidation	•	••		••	••	••	•	•		•		•	
Chromic acid anodising		••				•	•			•	••		
Ematal anodising	•	••		•	••	••	•	•	•	•		•	
Hard ematal anodising	•	••		•	••	••	•	•	•	•		•	
Bilateral anodising		••		•	•	••	•	•		•		••	
Adsorptive coloration (Sandolor®)	••	•						•		•			
Electrolytic coloration (Colinal®/C0 + C35)	••	•						••					
Spectrocolor coloration (Spectrocolor®)	••	•						•					
Integral coloration (Permalux®)	••	••			•	••	•	••	•	•		•	
Stainless steel or titanium-look coloration of aluminium	••	•						•					
Electrochemical polishing	••	••				•			•			•	
Chemical surface conversions													
Chromating		•	•	-		•	-				•		
RoHS-compliant chromating		•	•	-		•	-				•		
Acid passivation		•											
Black finishing	•	•				•	•						
Phosphating		•				•					•		
Black pickling		•				•					•		
Passivation of stainless steel	•	••				•							
Electrolytic and chemical metal precipitation													
Copper plating	•	••	••			•							
Nickel plating	•	••			•	•							
Chemical nickel plating	•	••			•	•							
Hard-chrome plating	•	••			••	••	•		••				
Tin plating	•	••	••			•							
Zinc plating	•	••				••							
Cadmium plating		••				••					•		••
Silver plating	•	••	••						••				
Tin/Lead coating		••	••										
Surface post-treatments													
Varnishing	•	••				••							
Teflon impregnation		•							••				