

# ANODISING

## ELETROLYTIC OXIDATION OF ALUMINIUM

Aluminium deserves a surface coating that protects it from wear and corrosion and preserves its metallic character.

In the anodising of aluminium, the surface of an aluminium component is transformed into a scratch-resistant protective layer by anodic oxidation. This can be additionally refined and coloured by chemical and mechanical pre- and post-treatments.



### ADVANTAGES

- Wide range of colours
- Coating hardness up to 350 HV
- High abrasion resistance
- Heat resistance up to 200°C
- Emphasises its natural structure
- Wide range of surface finishes:
  - E0 Degreasing
  - E1 Grinding
  - E2 Brushing
  - E4 Grinding & Brushing
  - E6 Etching
  - E7 Chemical polishing
  - F1 Decorative blasting
  - F2 Pralox finishing

### APPLICATIONS

Anodising is not only visually appealing, but also provides effective protection against wear and corrosion. The anodised layer also provides improved sliding properties and offers high heat resistance as well as good electrical insulation. These properties make anodized aluminium suitable for a wide range of applications in mechanical engineering, aviation, medical technology, design and architecture.

Maximum component size: 7500 x 1200 x 2200 mm