

Electropolishing of aluminium

Perfect gloss



PROCESS DESCRIPTION

Electrochemical polishing (electrolyte polishing) is the process that enables finishing of the metal surface, so that a smooth and spectacularly shining surface of the treated metal is achieved. To reach the best possible result, it is recommended to perform abrasive grinding and polishing of the material at first, and then subject the surface to electrolytic treatment.



RESULT

Following the aforementioned sequence of processing and using an alloy recommended for electropolishing, you will obtain a perfectly shiny surface. Use the following aluminium grades, as base metal guarantees mirror-like shine of the polished surfaces.

EN-AB-1199	EN-AB-1030	EN-AW-5505
EN-AW-5657	EN-AW-5210	EN-AW-5252
EN-AW-6201	EN-AW-6463	EN-AW-6060 (Fe<0.15%)

If any other material shall be used, please contact our Sales department.

SUBJECT TO THE PROCESS

The effect of electrochemical polishing depends on: the composition and structure of the processed material ([table with alloys](#)), the degree of hardening of the material, prior surface preparation.

We polish profiles and small elements.

INDUSTRIES

Electropolishing is often used in specialised industries:

- Automotive industry
- Shower cabins
- Components for packing of cosmetics
- Reflectors for lamps and electronic components
- Furniture accessories
- Components for casings of electronic equipment

