

# SURFACE FINISHES FOR ALUMINIUM

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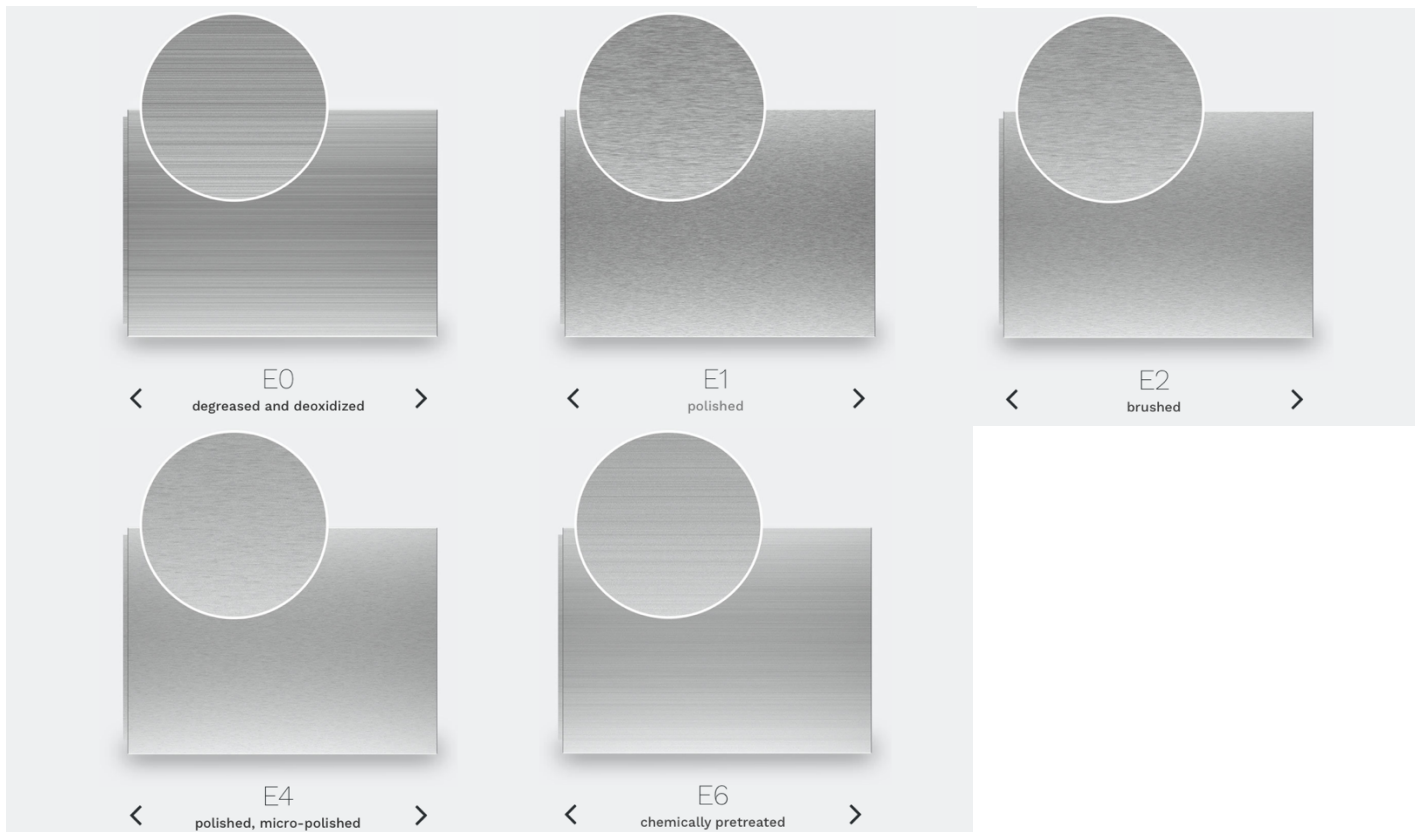
### Anodization

Through an electrochemical process, known as anodization, the aluminium surface is transformed into an extremely hard and scratch-resistant aluminium oxide layer. This oxide layer protects the aluminium from direct mechanical impact, in addition to being weather and corrosion resistant. Vibrant colours, solidity, long durability and excellent environmental protection are just some of this surface's advantages. The range of use for this product are very broad: from architecture, to superstructure work or automotive engineering.

Aluminium surfaces can be pre-treated either chemically or mechanically before an anodizing treatment. This changes the structure, reflection properties and optical effect of the surface. The condition of the base material created by the pre-treatment remains visible on the finished surface.

Pre-treatment processes offered:

- E0** = no pretreatment
- E1** = sanded
- E2** = brushed
- E4** = sanded, micro-polished
- E6** = chemically pre-treated

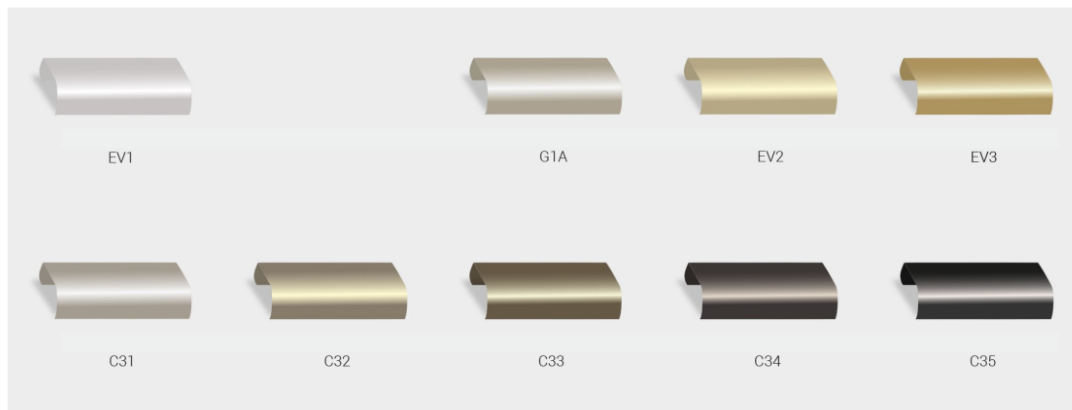


# COMBINING ANODIZING AND COLOUR

## Combining anodizing and colour

Different colour tones can be produced by different colouring processes. We use tailored anodizing inks, which are customised towards the anodized layer, producing a characteristic appearance.

The colour effect and the overall impact is dependent on the alloy used, the method of mechanical pre-treatment, and the surface coating method used. Upon appointment of the contract, it is our company requirement to produce samples showing the limitations within a certain colour range of the application.



## SANDALOR® – Anodization colouring

The SANDALOR® colouring procedure describes a colouring process used on anodized aluminium. This process combines the benefits of anodized aluminium oxide coatings with a broad colour palette. By preserving the original aluminium character, the light-resistant and colourful shades are suitable for outdoor use, allowing for beautiful, metallic and coloured surfaces. This colour treatment has been proven to be extremely resistant in long-term outdoor-exposure settings. Additionally, SANDALOR® is produced with mature process technology and superior quality.

