

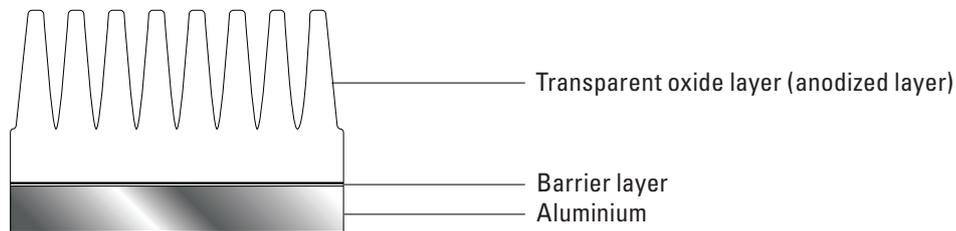
# Schematic representation Sandolor® dyeing process

(This procedure is license-based)

SANDALOR®

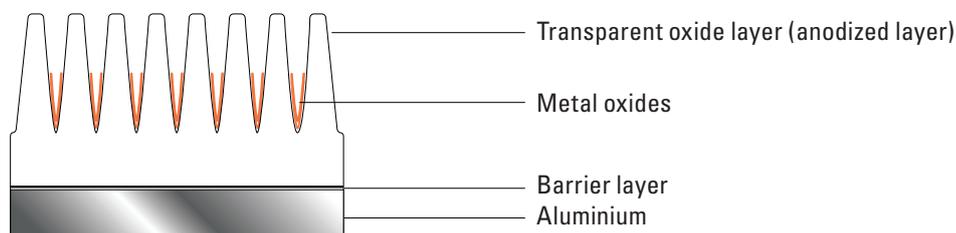
1

**Cross-section of the anodized aluminium surface (first stage)**



2

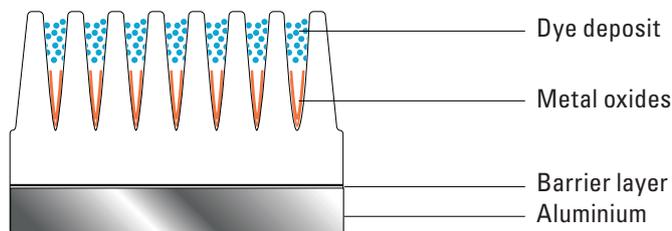
**Electrolytic dyeing (second stage)**



The transparent anodized layer can be subjected to electrolytic dyeing by means of a metal salt solution (coloured metal oxides). The colour effect is not created on the surface of the anodized layer but in a protected position at the pore base.

3

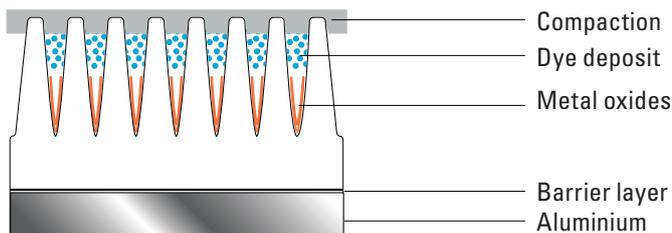
**Adsorptive dyeing (third stage)**



By combining electrolytic dyeing and adsorptive immersion dyeing, additional colour shades (blue, red, black, gold etc.) in various brightness levels can be produced. Contrary to metal oxides, the adsorptive colours mainly attach to the pore walls. The colour has an outright lively and metallic shining effect.

4

**Compacted oxide layer**



After the dye deposit, the pores are closed with amorphous aluminium oxide hydrate. This compaction is the final step of the anodizing procedure. The aluminium is thus protected against weather/corrosion impacts. With this step, the anodizing and colouring process is completed. The result is a highly decorative surface.