Surface finishing

We make aluminium smarter.

apt is a reliable partner for aluminium surface finishing. We combine modern processes and technology with a well-coordinated team of experts, guaranteeing a smooth process, whether it is a small profile or a large workpiece.

apt-alu-products.com

apt® ALU PRODUCT TECHNOLOGY

Facts and figures

Production capacity anodizing p.a. **7M m²**	Anodizing plant in Monheim (DE) and Roermond (NL) **2 Locations**	In-house profile dimensions (lengths, max. unit weight) **▪ up to 8,000 mm** **▪ up to 250 kg**	Anodizing layer thickness **5 to 25 µm**
Production capacity powder coating p.a. **1M m²**	Powder coating and passivation in Eckental (DE) **All RAL-colors**	Dimensions powder coating **4 m × 1.5 m × 0.25 m**	Coating thickness powder coating **60 to 80 µm**

Aluminium finishing process

Anodizing

- In Germany, apt has one of Europe's largest fully automated anodizing plants.
- C-0 aluminium colored (natural color, E6 / V1)
- Anodizing the inside of aluminium tubes or profiles (internal anodizing)
- Electrolytic dying: Bronze (C-31) to black (C-35)

Passivation

- Fully automated passivation unit

Powder coating

- Fully automated powder coating facility

Excellent and sustainable product quality

Anodizing for
- Resistance in outdoor areas
- Corrosion protection
- Individual design requirements

Anodizing for
- Abrasion protection for system profiles
- Improving the cooling performance of heat sinks
- Electrical insulation
- Customized design of machine components
- Internal anodizing for specific industrial applications

Powder coating and anodizing for
- Abrasion and corrosion protection (structural and system components)
- Stabilization of the production process (welding) through passivation
- Individual design requirements

Powder coating for
- Durability due to wear and corrosion protection
- Design requirements (color)

DIN ISO 9001 ISO 14001 ISO 50001 EN 15088
Qualanod Architectural Anodizing

VOA Verband für die Oberflächenveredelung von Aluminium e.V.

DGM Deutsche Gesellschaft für Materialkunde e.V.

asi CERTIFIED PERFORMANCE

ecovadis

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