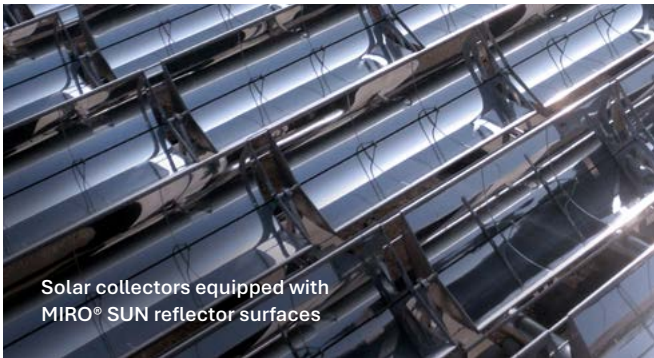


---

# Developing Distinctive Design

# CREATE THE DIFFERENCE



Solar collectors equipped with  
MIRO® SUN reflector surfaces



As a world leader for high-tech and design surfaces, Alanod is your ideal partner: From highly effective functional coatings to decorative finishes that stand the test of time – we have the surface.

Our experts develop innovative metal hybrid technologies which exceed even the highest expectations. This creates fresh opportunities, enabling you to pursue new approaches and take your products to the next level. Let's create the difference.





Restaurant Steirereck, Vienna, Austria, with DECO PRIME® facade panels; Photo: C. Pierer

### Our vision

“We are the advanced materials company for innovative sustainable high-tech surfaces and solutions contributing to a circular economy.”

# Expect only the best from us

Together with our experts you can create products with a distinctive look, higher efficiency or durability, or even offering a cost saving alternative to classic designs. Talk to us to learn how you can benefit from our solutions. Get ready to be inspired.

---

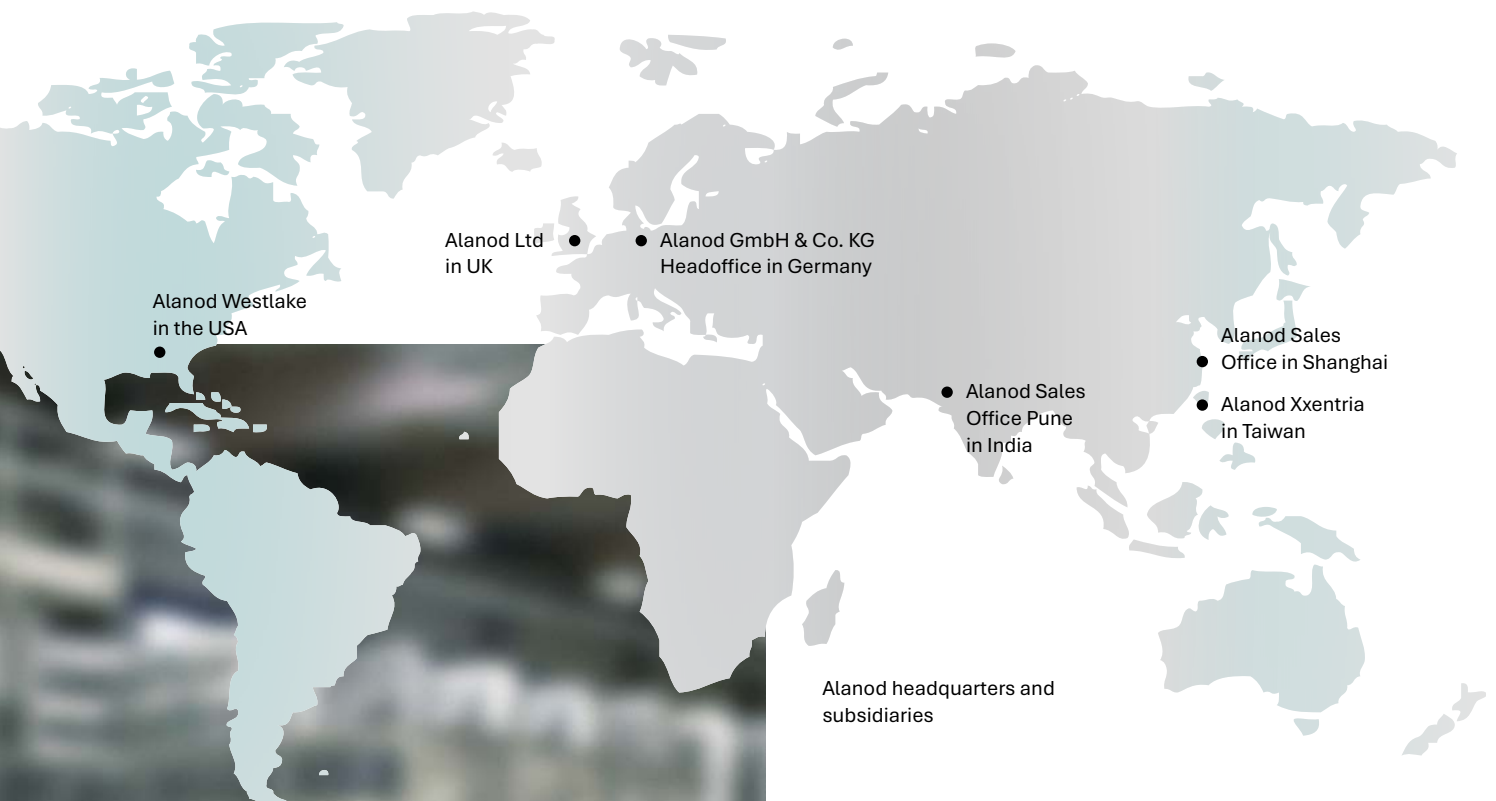


## Advancing aluminium since 1975

When Alanod was founded in 1975, fluorescent lights required high quality reflectors to shine the light to where it was needed. Alanod became the world's leading manufacturer of anodised aluminium reflector materials. Today, we have gone far beyond this: Our expertise in finishing aluminium has been enhanced to cater to a multitude of other industries, from exterior, furniture and automotive design to solar collectors.

## Made in Germany, renowned worldwide

Our company has grown steadily over the last few decades, nationally and internationally. While our market is global, our headquarters and production are in the heart of Germany. The highly advanced production lines and our experienced staff enable us to produce spectacular products. In our testing and development center, our products are checked thoroughly according to DIN EN ISO 9001:2015.



Alanod headquarters and subsidiaries

## Our values

- INTEGRITY
- CUSTOMER SATISFACTION
- INNOVATION
- PASSION & PACE
- SUSTAINABILITY



# Made for distinctive architecture and design

Based on your requirements, we create innovative surfaces on real aluminium that range from functional to decorative aspects. Let our refined surfaces help you stand out in competition and give your products a distinctive advantage.

Mirroring facade of Casa Invisibile, Austria, made with DECO PRIME® panels; Photo: C. Brandstätter

## Facade solutions

We offer you a complete series of durable metal surfaces for facades. The wide range of our aluminium qualities provides you with a multitude of options to bring visionary architectural designs to life. DECO PRIME® is our product line that delivers the right finishes for facades. Our surfaces are ready-to-use.



Wall cover design with DECO PRIME®  
Kiruna City Hall, Kiruna, Sweden

## Interior design

A metal surface adds a special touch, a unique structure and makes walls and ceilings an exceptional element of your design:

- high-gloss, specular or matte,
- fine to clearly visible textures and structures,
- with applied stainless steel or copper optics,
- long-term stable coloured surfaces,
- highly efficient daylight solutions.



Rotpunkt kitchen design with  
DECO PRIME®; Photo: Rotpunkt Kitchen

---

## Furniture design

Alanod DECO PRIME® surfaces let you create a unique and exclusive look for your furniture. Add an emotional, metallic touch with a variety of structures, surfaces and colours. Extra features such as scratch-resistance, soft-touch or anti-fingerprint make it even more valuable for your designs.

# Powerful ideas for automobiles and lighting

The Alanod surfaces can help you find a new way to express a powerful distinctive element in automotive design. In addition, it can help you increase efficiency using light weight materials and adding functionality in lighting reflectors.

## Automotive design

You can use our DECO PRIME® product line to create innovative solutions in your automotive design such as

- printed symbols on real metal,
- backlit microperforated surfaces,
- scratch-resistant handles,
- soft-touch trims and covers,
- and many more.



Door sill panel with printed DECO PRIME®



BMW cockpit cladding with DECO PRIME® composite panel





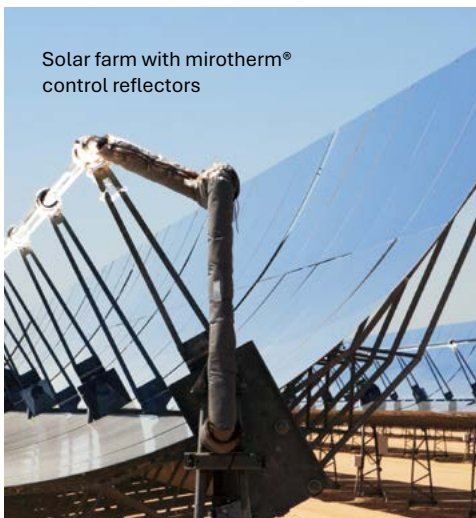
## Lighting industry

Use our specialised reflector surfaces for light control, glare control and homogeneous light distribution in various applications:

- LED or traditional light source fixtures,
- UV light applications,
- greenhouse lighting,
- daylighting systems.

# Technological advantages for solar and electronics

From industry-leading reflection grades to new approaches in insulation or baseplate design: Our innovative ideas give your products a head start in competition with new ways to save space, energy or costs.



## Solar industry

Thanks to over 20 years of experience in the solar industry, we provide you with highly efficient and durable absorbers or reflectors for solar energy. They achieve solar absorption rates of up to 97% or a total solar reflectance of 95%.

We are the world's first company to reach the milestone of more than 20 million square meters of absorber surface sold.



Solar collectors with mirotherm® absorber panels,  
Burj Khalifa, Dubai, UAE





Base plates for LED light fixtures  
with MIRO-SILVER® CoM



## Electronics

Our product range of MIRO® CoM and MIRO-Silver® CoM are specified by all well-known manufacturers of CoB modules worldwide as the metal core base plate. These products significantly increase the efficiency and lifetime of a CoB, without colour shift.





Alanod high-end laquering line  
for coil coating

# Cutting- edge production

Take advantage of our decades of expertise in coating: You can use our products immediately and they are ready for your application.

## Anodising

Anodising is the basis for all of our other surface treatments. In an electrochemical process we transform the surface into aluminium oxide ( $Al_2O_3$ ) in its glasslike state. After this process the aluminium surface is incredibly hard, corrosion-protected and decorative. It also offers the perfect adhesion base for further processes.



4 anodising  
lines

---

4 PVD  
lines

---

1 lacquering  
line

---

3 slitting  
lines

---

1 cut to length  
line

---



## PVD coating

In PVD (Physical Vapour Deposition), metallic materials are vaporised in a vacuum chamber. The metal and metal compound atoms condense on the substrate to form carefully controlled nano-thin layers. The result is a long-term stable surface that has a decorative metal appearance while keeping the original metal capabilities as well.

With this technology we can increase surface reflection to as much as 98.5% or reduce it to as little as 5%.

## High-tech lacquering

Our modern lacquering system covers one or both, front and back surfaces with highly transparent, clear lacquer or primer systems. The result:

- Functional lacquers add qualities such as scratch resistance, chemical resistance, and anti-fingerprinting.
- Opaque or translucent lacquers can give our material colour and unique decorative characteristics.
- Primers create bonding layers for plastics, Kraft papers etc.



# Working for a bright future

Respectful treatment of people, nature and the community is a fundamental principle at Alanod. In order to shape a better tomorrow, we invest in our people, and sustainable solutions that are positive for today's society.

## A great place to work and learn

As an innovative company, we are looking for committed people who enjoy taking on challenges and who think outside the box. That's why Alanod offers an inspiring, healthy and supportive workplace full of opportunities to learn and better themselves continuously.

Young professionals can choose from a range of starting positions as well as trainings in cooperation with universities and vocational academies.



Modern workplace at Alanod main production line in Germany







## Care for the environment

Conserving natural resources has been part of our corporate philosophy ever since our company was founded.

Today, Alanod is proud to be

- climate-neutral
- setting the framework for Sustainable Development Goals
- investing in renewable energy sourcing worldwide
- producing with „100% green electricity“
- ensuring our products comply with REACH, RoHS, WEEE and EoLV requirements

## Boost the circular economy

Aluminium is a vital resource for a climate-neutral and circular economy. It can be recycled without losing its original properties. As this recycling can be repeated infinitely, aluminium becomes a permanent material.

To promote a circular economy, we use a large share of recycled aluminium in our production. This is also very energy efficient, as recycling only requires only about 5% of the energy needed to produce primary aluminium.



Photovoltaic collectors on the roof of Alanod production plant in Taiwan



**ALANOD GmbH & Co. KG**

Egerstr. 12, 58256 Ennepetal, Germany

Tel. +49 2333 986 - 500

[info@alanod.de](mailto:info@alanod.de)

[www.alanod.com](http://www.alanod.com)