UV LIGHT APPLICATIONS

CREATE
THE
DIFFERENCE

alanod

MIRO® UV A/B and MIRO® UV C **NEW**

The evolution in UV light reflector technology

UV light has a lot of positive effects that are widely exploited in industrial and medical applications, ranging from UV curing of inks and lacquers to phototherapy and disinfection.

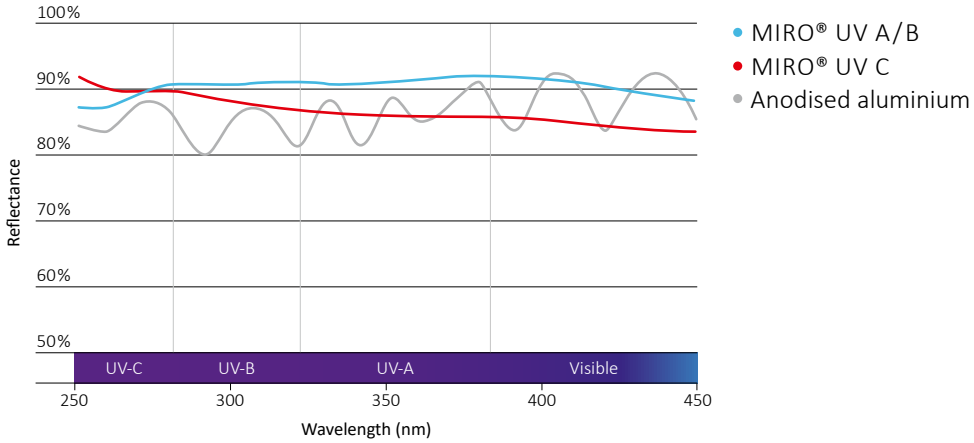
The new surfaces, MIRO® UV A/B and MIRO® UV C, offer you the reflective capabilities you need to optimise UV efficiency as well as enhance the longevity of your devices.

MIRO® UV A/B and MIRO® UV C are the ideal reflector materials for a broad range of applications:

- Ink, lacquer, and resin curing
- Water, air, and surface disinfection
- Sterilising medical equipment, food, and liquids
- Photochemical applications
- Phototherapeutic and tanning devices

High reflectivity maximises your UV application efficiency

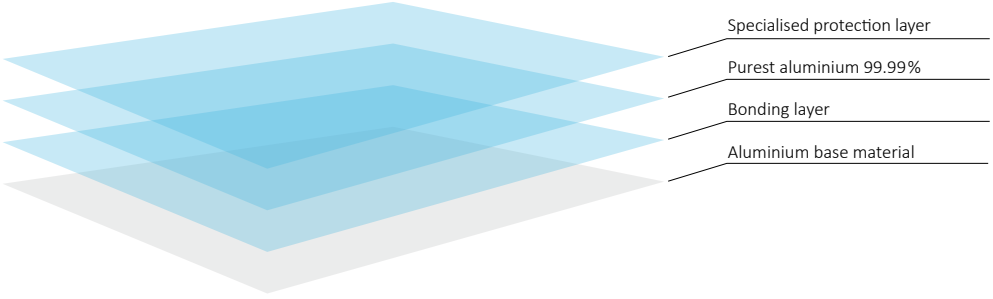
MIRO® UV has been developed to reflect ultraviolet wavelengths. It is available in two versions that efficiently reflect either UV A/B or UV C light. With a spectral reflectivity of over 90% it offers a much higher efficiency, compared to anodised aluminium.



Developed to last longer in aggressive UV light

Conventional reflecting materials usually suffer from age-related decline in UV reflectivity. By employing a special protective layer, we created a new, long-lasting UV reflective material. In UV tests, MIRO® UV A/B and MIRO® UV C last over 1,000 hours with less than 1% change of reflectivity.*

Compared to conventional reflectors, this is a major advantage for customers with UV appliances. The longer life span results in less frequent reflector replacement.



* **Test conditions:**
UV 280–380nm with ~60mW/cm² | Constant temperature 250°C [DIN EN 16268]
Climate chamber 85% RH – 85°C [DIN EN 60068-2-78]
QCT condensation 100 hours [DIN EN ISO 6270-1]

Care for the Environment

Conserving natural resources has been part of our corporate philosophy ever since our company was founded in 1975. Today, Alanod is a climate-neutral, sustainably run company. Due to the excellent recycling properties of aluminium, our materials use up to 90% recycled aluminium. This consumes up to 95% less energy compared to primary aluminium production.

CLIMATE NEUTRAL
COMPANY
certified by Fokus Zukunft
climate neutral via offsetting

Our cutting-edge post-combustion technology enables production of all of our materials without the need for excessive energy input. All our electricity needs are met using “100% green” energy sources.

Made in Germany

Our high-tech materials are all manufactured at our sites in Germany.

System Development

Our broad-based team of experts develops individual solutions for our customers in close cooperation with international research institutions and long-standing industrial partners. Talk to us so that we can work together to fulfill your wishes.

ALANOD GmbH & Co. KG
Egerstr. 12 · 58256 Ennepetal · Germany
Tel. +49 2333 986-500
info@alanod.de · www.alanod.com

alanod

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