

UV LIGHT APPLICATIONS



CREATE
THE
DIFFERENCE


alanod

LIGHTING

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.

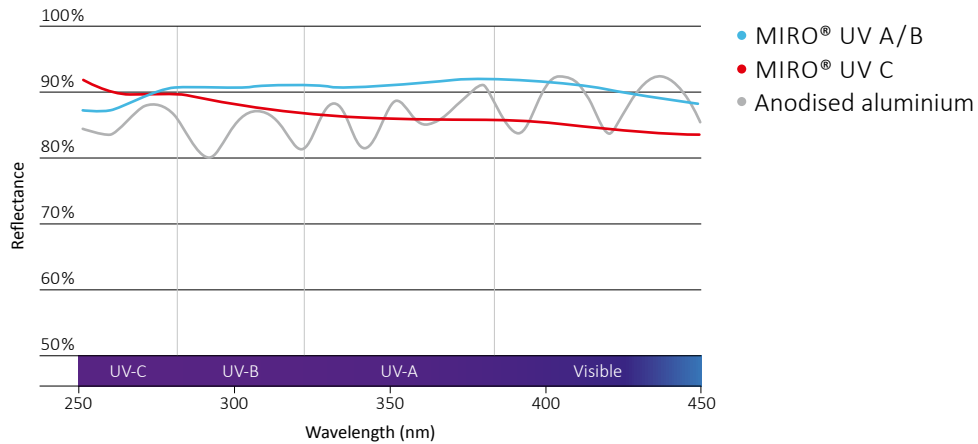
MIRO® UV A/B and MIRO® UV C are the ideal reflector materials for a broad range of applications:

- 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

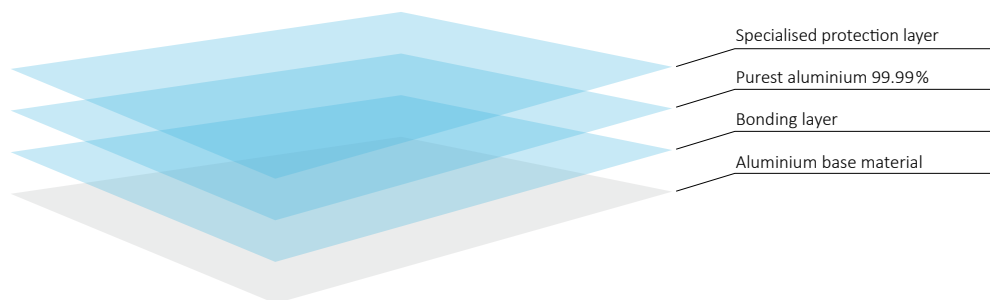
MIRO® UV has been developed to reflect ultraviolet wavelengths. It is available in two versions that efficiently reflect either UV A/B or UV C light. With a spectral reflectivity of over 90% it offers a much higher efficiency, compared to anodised aluminium.



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 280–380 nm with ~60 mW/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]

CREATE THE DIFFERENCE

Alanod is your ideal partner for premium thin-film surfaces on metal with impressive design and performance: From highly effective functional coatings to decorative finishes that withstand even the harshest conditions.

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. Get ready to be inspired.

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