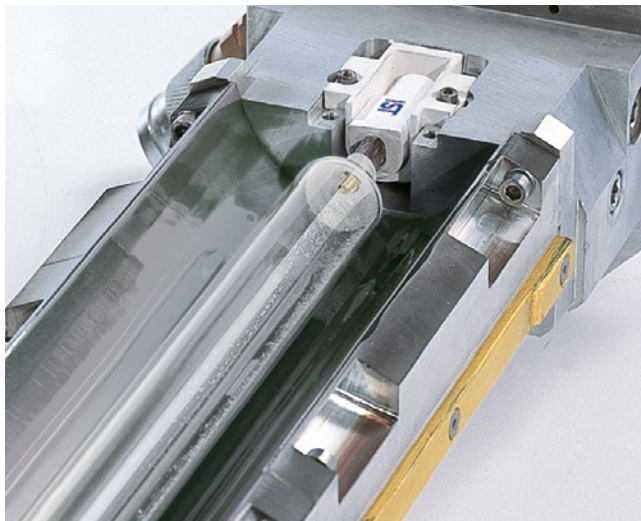


URS®-A reflectors were specially developed for applications in which heat has to penetrate the coating or substrate in a targeted manner, in order to assist with the curing of inks and varnishes.

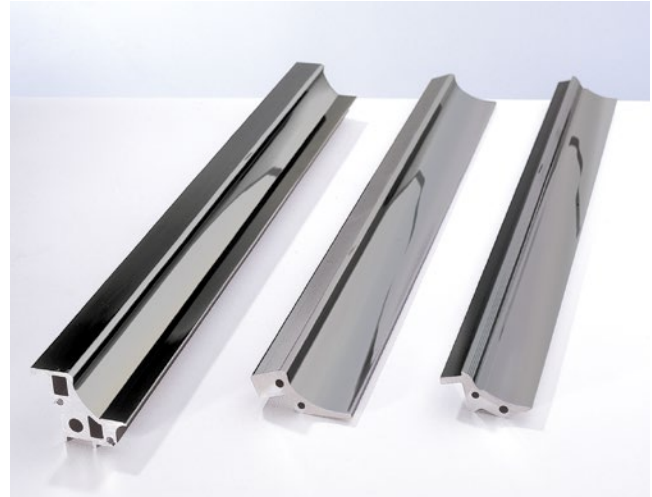
Higher productivity, lower energy consumption

Test results and practical experience show that better curing results can be achieved with the URS®-A reflector system than with aluminium reflectors with conventional coatings. Moreover, energy consumption can be considerably reduced, due to the optimised reflectance in the UV range.



The design principle

The basis of this technology is a water or air-cooled aluminium profile, which is coated with approx. 60 wafer-thin layers of metal oxide in a high-vacuum vapour deposition process. The aim is to convey the maximum possible UV output to the surface of the substrate. The layer system enables infrared radiation to be added in a targeted manner. Different reflector geometries are used, depending on the production process.



10.000 operating hours warranty

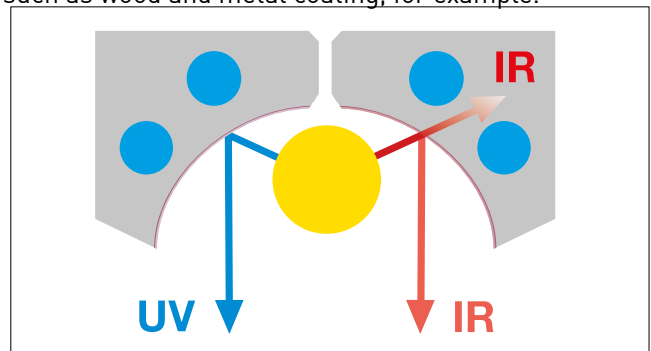
Please take note of our terms of warranty: www.ist-uv.com/reflectors

Stable processes

The enhanced reflector surface has a very long service life. The age-related drop in UV output sets in several thousand hours later than in conventional reflectors. The extremely stable optical properties, which are maintained throughout the reflector's life, guarantee high process reliability. The surface is also easy to clean.

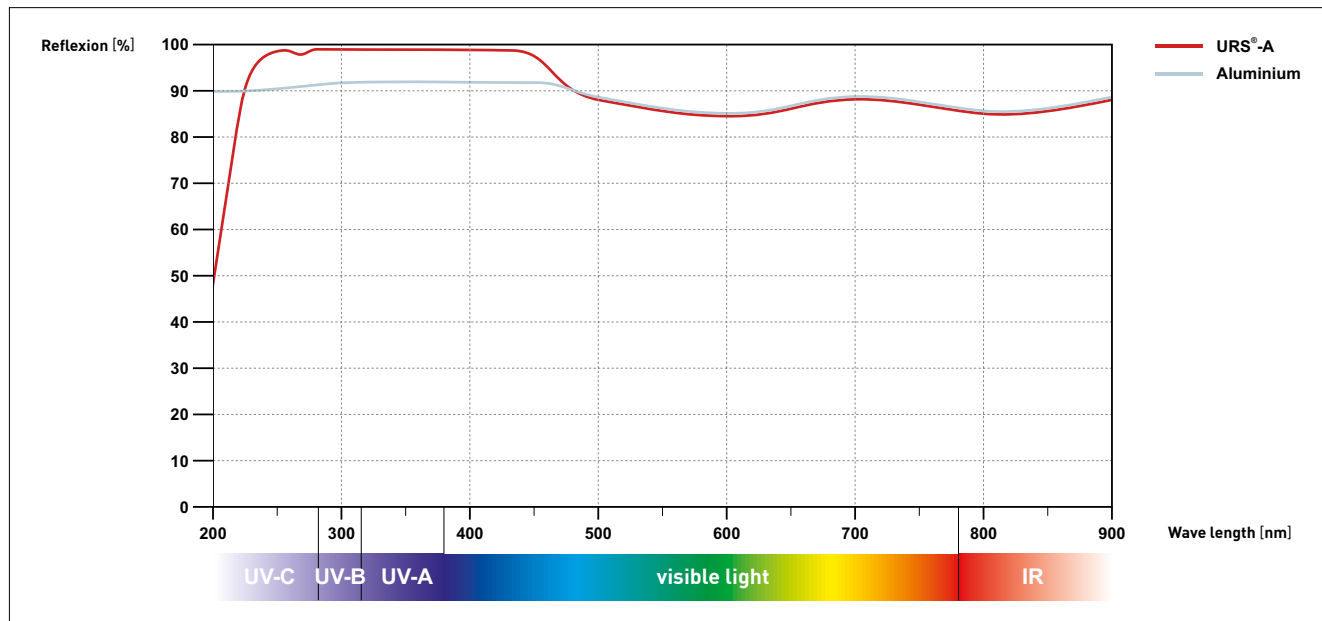
Use

The URS®-A reflector is used wherever heat is applied to assist the curing process. This is the case in the printing of steel plates and in industrial applications, such as wood and metal coating, for example.



URS®-A reflector technology offers numerous advantages:

- More UV light on the substrate
- Increased productivity
- Reflector geometry is ideally suited to the production process
- Specific coatings ensure the best suitability for various applications
- Significantly longer service life compared with aluminium reflectors
- Co-ordinated heat management
- Easy handling, sturdy construction
- Easy-to-clean reflector
- Larger illuminated area



The URS®-A reflector has much higher reflectance in the UV range than conventional aluminium reflectors. In the IR range (heat radiation), the reflective properties of the two types of reflector are virtually identical.

Care of the reflector

Cleaning the reflector regularly with “reflexion+” cleaning milk guarantees a high UV output over several thousand operating hours.



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