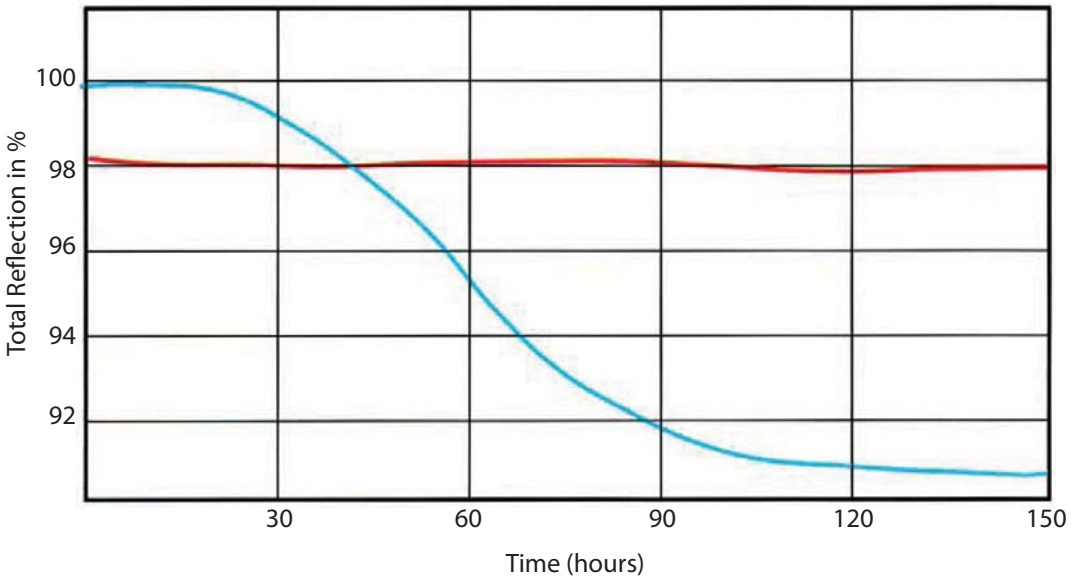
Sky Tunnel

Rigid Tube Comparison

Reflectivity-Over-Time-Test - MIRO - SILVER® vs. Multi-layer Polymeric Film

Comparison of sustained reflectivity after 150 hours UV-C Exposure



MIRO - SILVER®

Multi-layer Polymeric Film

MIRO - SILVER® provides sustained reflectivity over time.

Sky Tunnel™ utilizes Alanod Miro Silver® when producing the Rigid98 used in its Rigid Tube Kits. You can see from the graphic above, that whilst some other daylighting products using a Multi-layer Polymeric Film in their Rigid Tube have a higher initial Total Reflection, after just 40 hours of exposure to UV-C the reflection drops below that of the Miro Silver®.

Information provided by ALANOD Aluminium-Veredlung GmbH & Co. KG

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Sky Tunnel

Rigid Tube Comparison

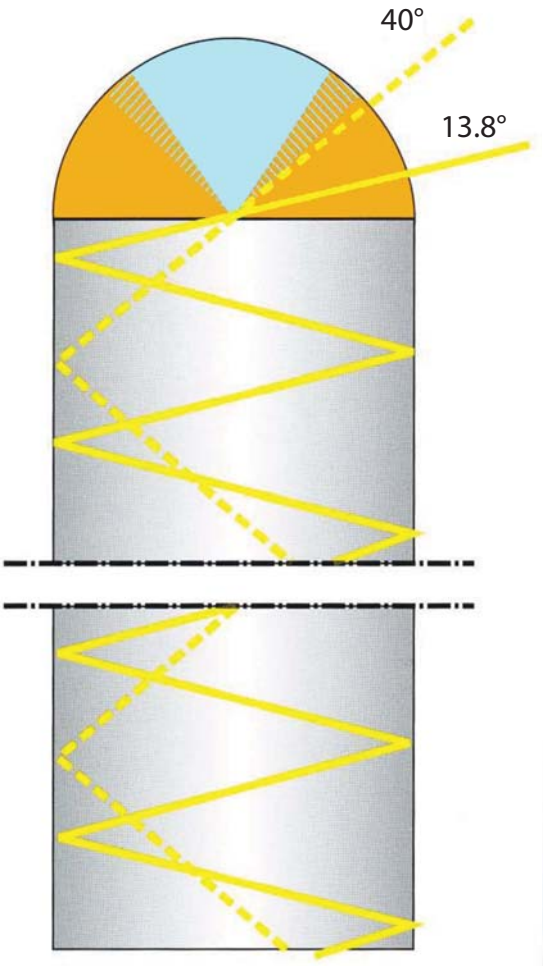
Reflector Material under different angles

Comparison between MIRO - SILVER® and Multi-layer Polymeric Film (MPF)

Advantage for MIRO - SILVER® (0 - 45°)

Same reflectivity for both products

Light Pipes such as Sky Tunnel™ which utilize MIRO - SILVER® will transmit much more light between 0 and 45 degrees when usable light is really needed.



Total Reflection in % under an angle of

	13.8°	40°
MIRO - SILVER®	98.16	98.22
MPF	96.78	97.66

Tube 3m (10') length x 300mm (12") diameter

angle 13.8°	output	MIRO - SILVER® advantage
MIRO - SILVER®	0.48	+ 78%
MPF	0.27	0%

angle 40°	output	MIRO - SILVER® advantage
MIRO - SILVER®	0.82	+ 17%
MPF	0.70	0%

Number of Reflections:

13.8°	40 Reflections	Advantage 78%
40°	11 Reflections	Advantage 17%

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