

coating 142407

Sputtered optical coating on Fused Silica
Enhanced Aluminum mirror

Optimized for 260-360 nm range

$HR_{s,p}(0-45^\circ, 260-360\text{nm}) \geq 90\%$
 $/ GDD-R_{s,p}(0-45^\circ, 260-360\text{nm}) / < 1\text{fs}^2$

For polarization sensitive and low power ultrafast applications

Please note:

Aluminum coatings with dielectric layers are soft and can easily be damaged by mechanical contact. Hard cleaning with tissues will lead to scratches. Compressed clean, dry air is recommended to blow off dust. Layertec suggests latex gloves for handling (held by the sides).

fig. 1 Perkin Elmer Lambda 950 – absolute reflection measurement AOI 10°

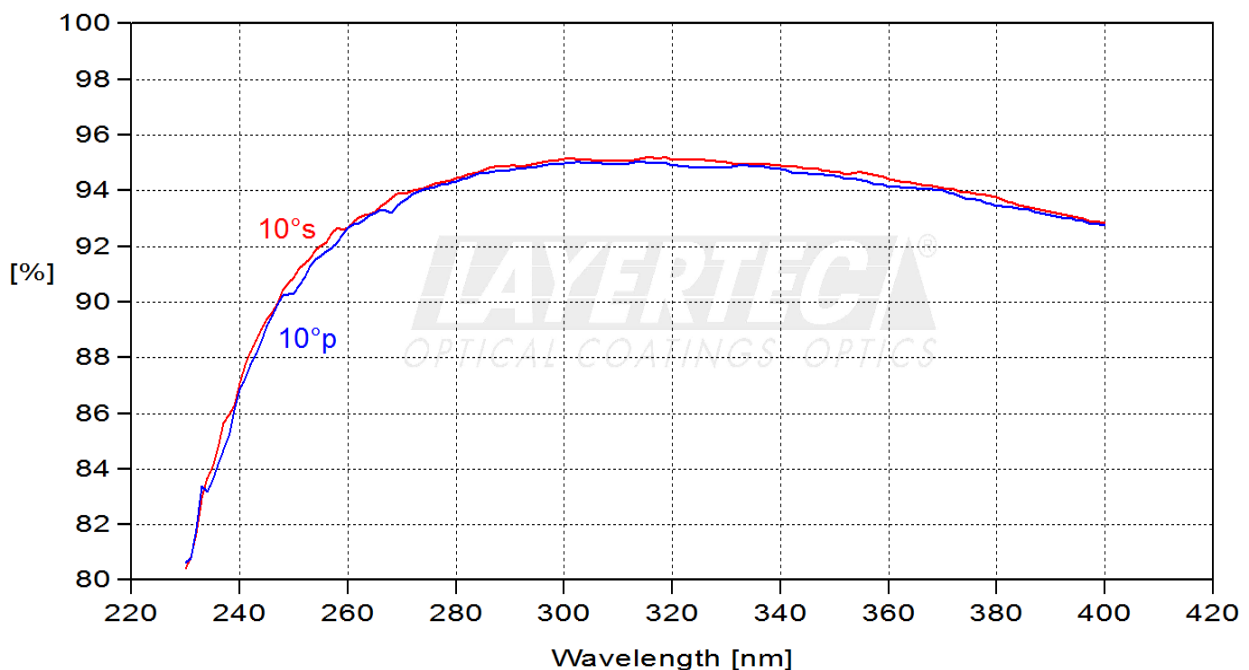


fig. 2 Perkin Elmer Lambda 950 – absolute reflection measurement s- and p-pol. AOI 45°

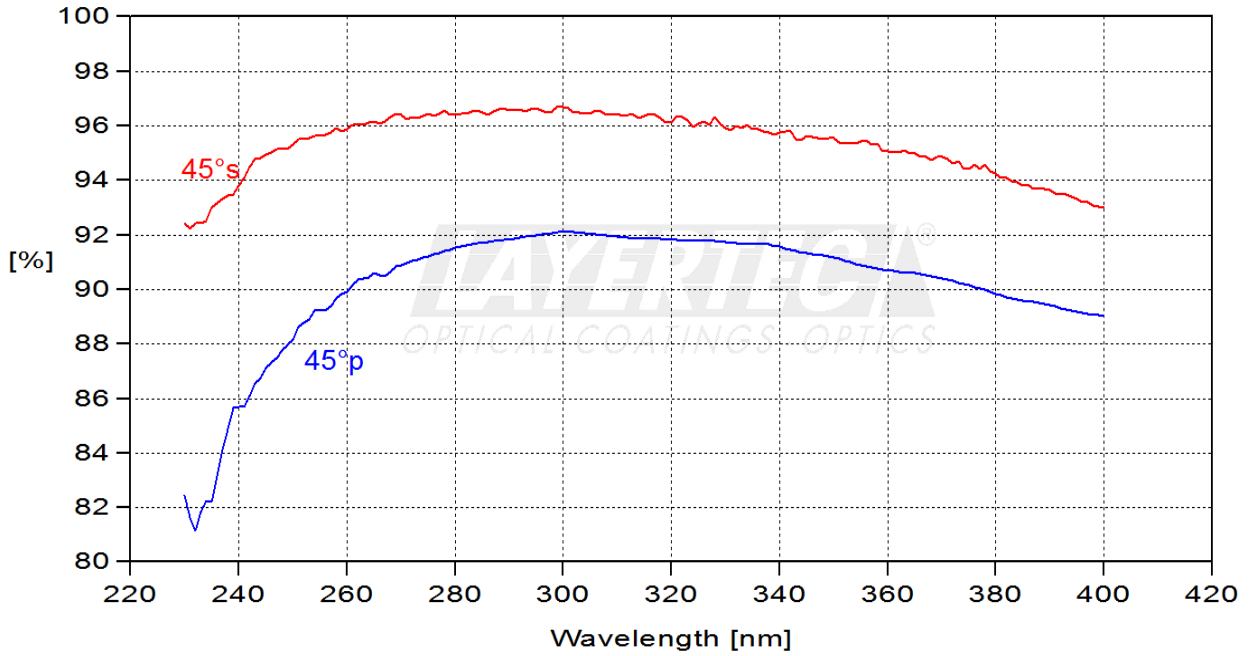


fig. 4 calculated GDD-R at 0 and 45°

