

coating 140842

Sputtered optical coating on Fused Silica
Protected Aluminum mirror

Optimized for 266+400+800 nm range

HRs,p(0-45°, 266+400+800nm) > 80%

/ GDD-Rs,p(0-45°, 266+400+800nm) / < 10 fs²

For polarization sensitive and low power ultrafast applications

Typical absorption losses at 800nm ~ 10 -20 %

Please note:

Aluminum coatings with protective layer 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°

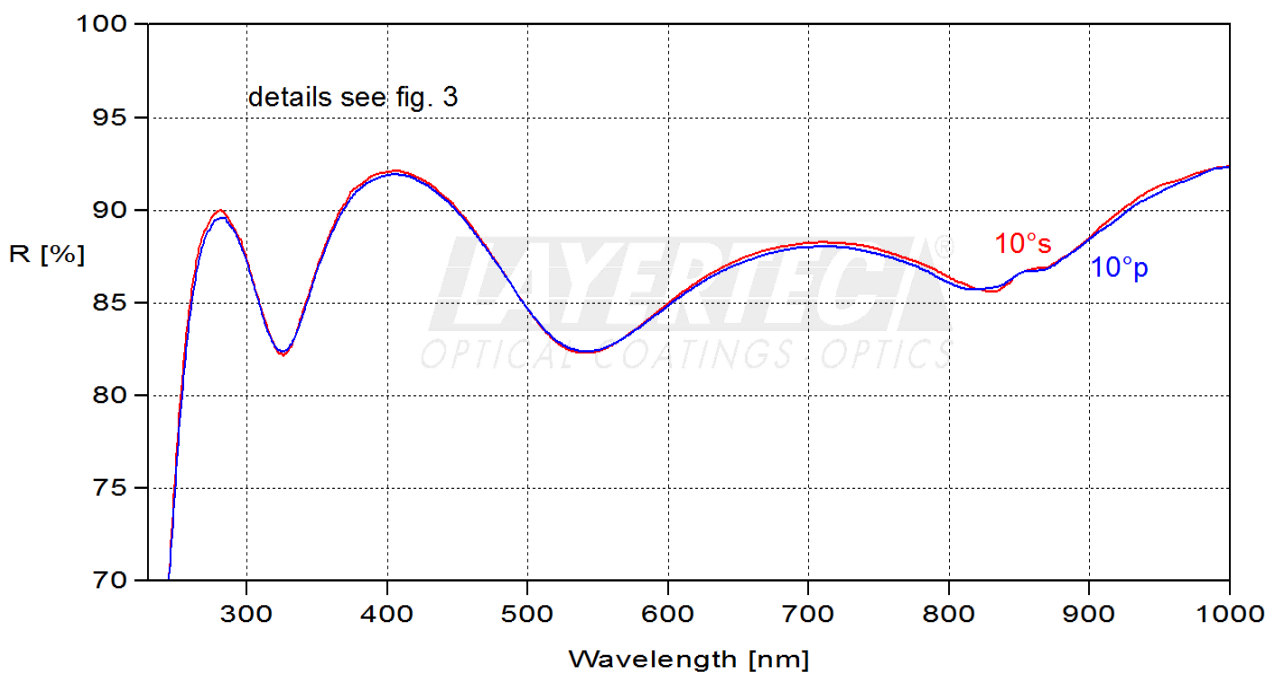


fig. 2 Perkin Elmer Lambda 950 – absolute reflection measurement s- and p-pol. AOI 45°

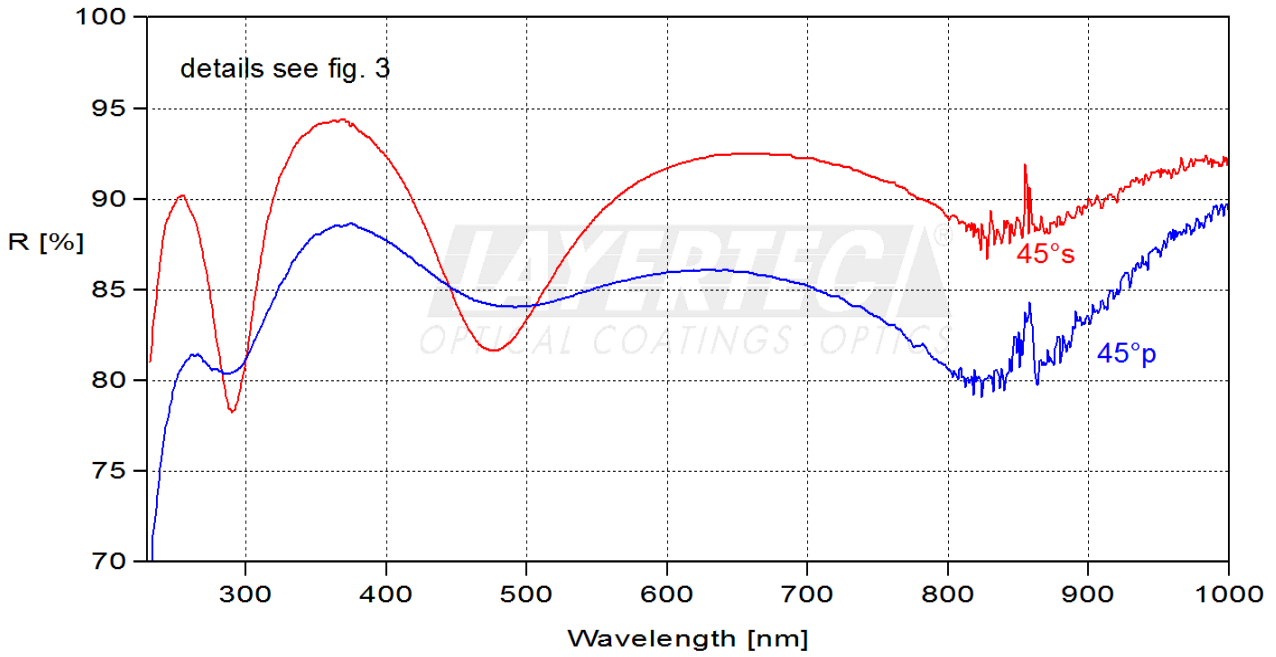


fig. 3 Perkin Elmer Lambda 950 – absolute reflection measurement

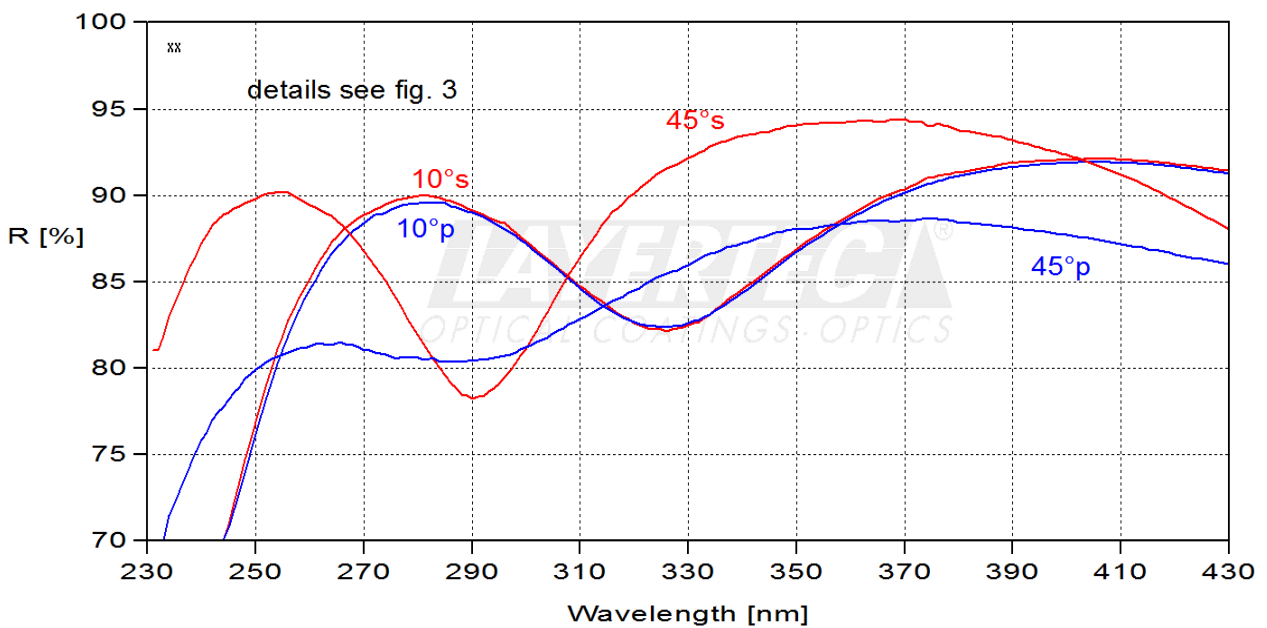


fig. 4 calculated GDD-R at 0 and 45°

