LAYERTEC GmbH coating 114656

Sputter Coating:

HR(0-12°, 1030-1040nm±10nm)>99.9%, GVD(0-12°, 1030-1040±5nm)~ -450±50fs²

fig. 1 reflection HR-side 0° - calculated with typical absorption losses

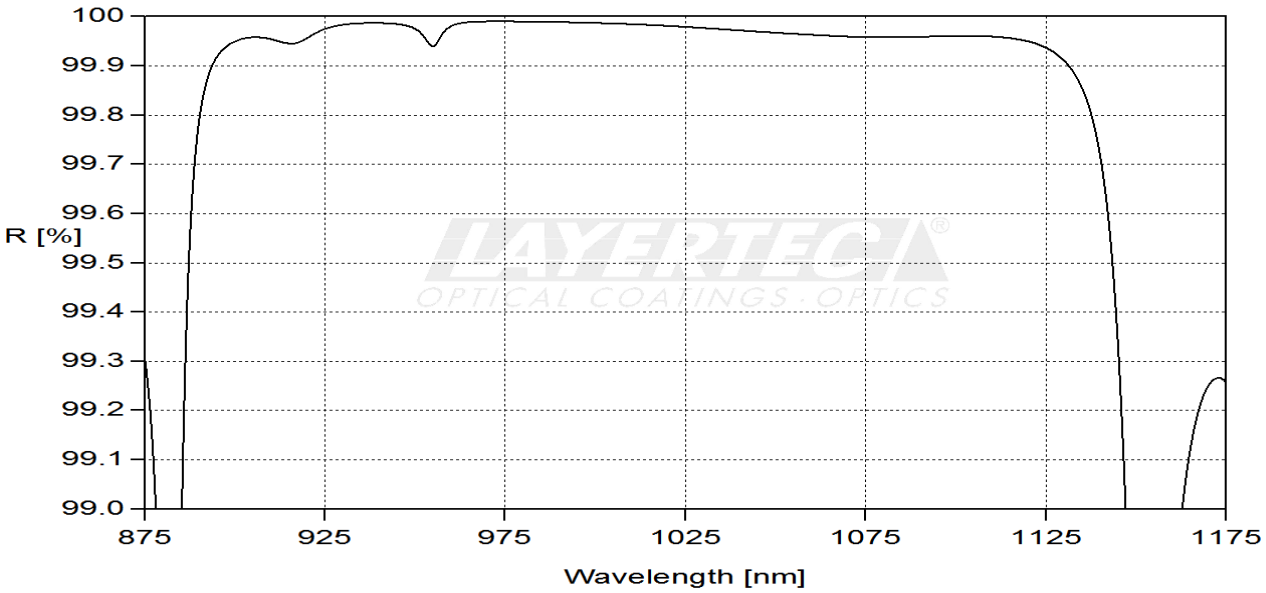
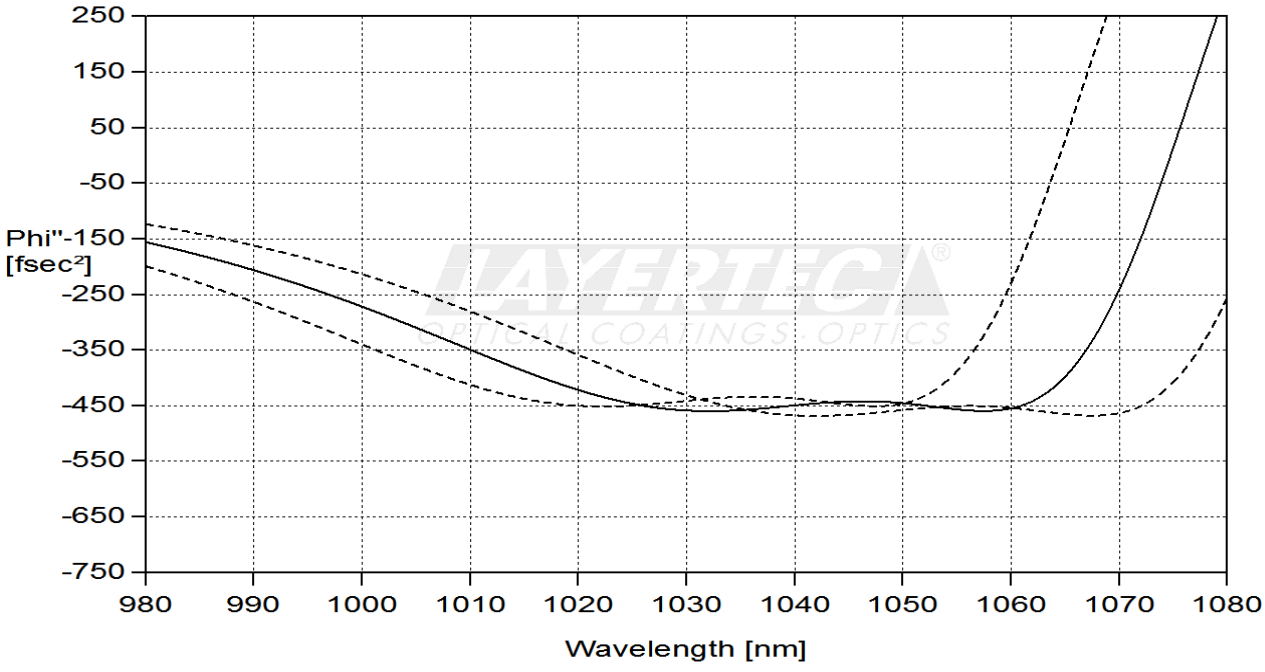


fig. 2 calculated GDD(R,0°)

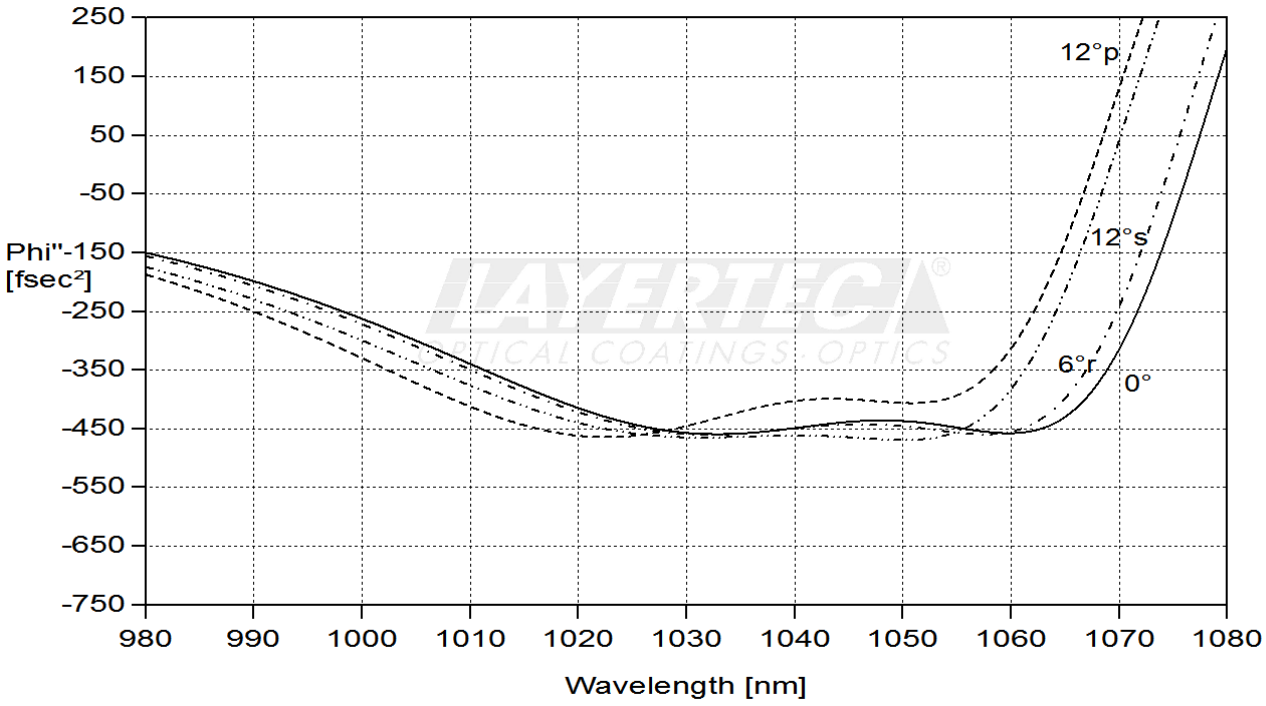
_____ theory 0° - - - - possible spectral shift



 non binding principle curve

fig. 3 calculated spectral shift for different AOI

please note the production tolerance (+/-10nm shift) additionally



Measurement of the GDD in reflection

Layertec has 4 measuring stations available to determine the GDD of laser mirrors with plane surface. All stations together cover a spectral range of 200nm til 1700nm and operate at AOI=6° or AOI=12°. The measurement is carried out at two positions on the sample.

The measurement principle is described by Kovacs et al. in Optics Letter Vol. 20(7) 1995, p. 788.

The data are available on request in EXCEL format.