



opto-355 R

for ultra-high performance on optoSiC+ mirrors

optoSiC® opto-355 R is a high reflectivity coating with hard dielectric metal oxide layers and is a NON-RADIOACTIVE ThF₄-free product.

opto-355 R retains ultra-high reflectivity for P-, S-Pol and un-polarised frequency-tripled 355nm Nd:YAG wavelength when used with angles of incidence common in galvano scanning.

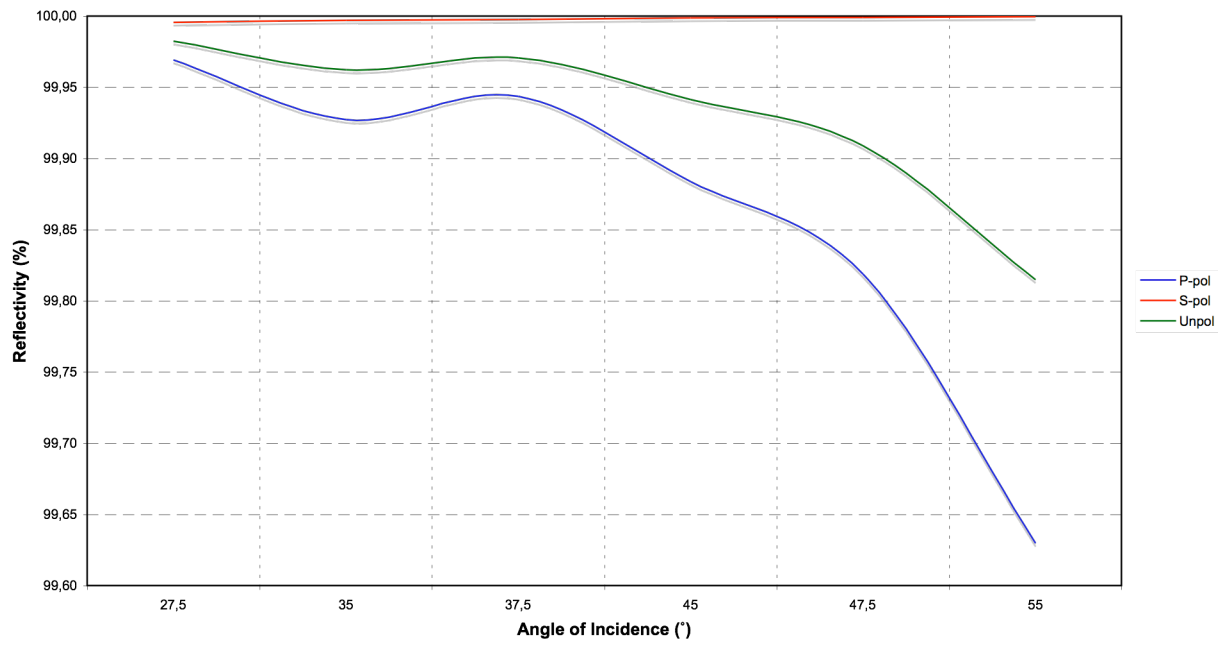
opto-355 R meets the toughest demands required for frequency-tripled 355nm Nd:YAG laser applications.

opto-355 R coated optoSiC+ generic mirrors can withstand a 10ns single-shot pulsed laser induced damage threshold (LIDT) of typically >2J/cm² at 27.5° to 55° Angle of Incidence.

opto-355 R on optoSiC+ Specifications:

Surface Form Accuracy	< $\lambda/8$ over 90% diameter (632.8nm)
Surface Roughness	< 40Å RMS (Rq <0.00004)
Reflectivity @355nm	Average >99.93%
Reflectivity @633nm	Average >58.08%
Pulsed LIDT	2J/cm ² at 45° with 10ns single-shot pulse
Density	5.411g/cm ³ ±0.02g/cm ³
Thickness	3.19µ ±0.17µ
Maximum Size	within ø80mm
Adhesion	To ISO 9211-04-02-02
Abrasion	To ISO 9211-04-01-03

opto-355 R @ 355nm



opto-355 R @ 633nm

