

Tel +49 2324 398-406
 Fax +49 2324 398-402

Plasma Gold

General

Gold coatings are made in a plasma assisted deposition process. Due to this technique, the density and abrasion resistance are increased. A protective overcoat to avoid degradation is not necessary.

Technology

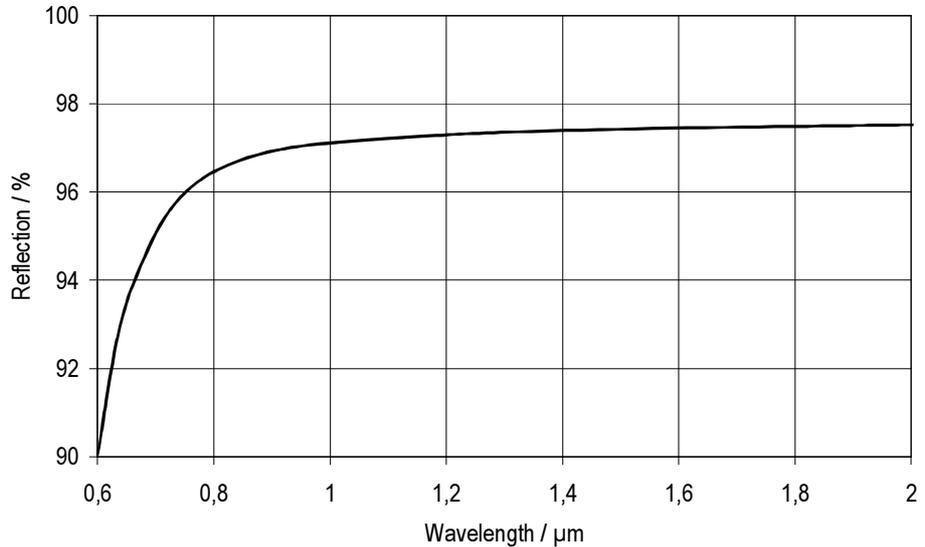
A plasma stimulation enhances the mobility of the evaporated gold atoms. The gold layers achieve a higher density and micro hardness compared to the thermal film layer deposits.

Coating properties

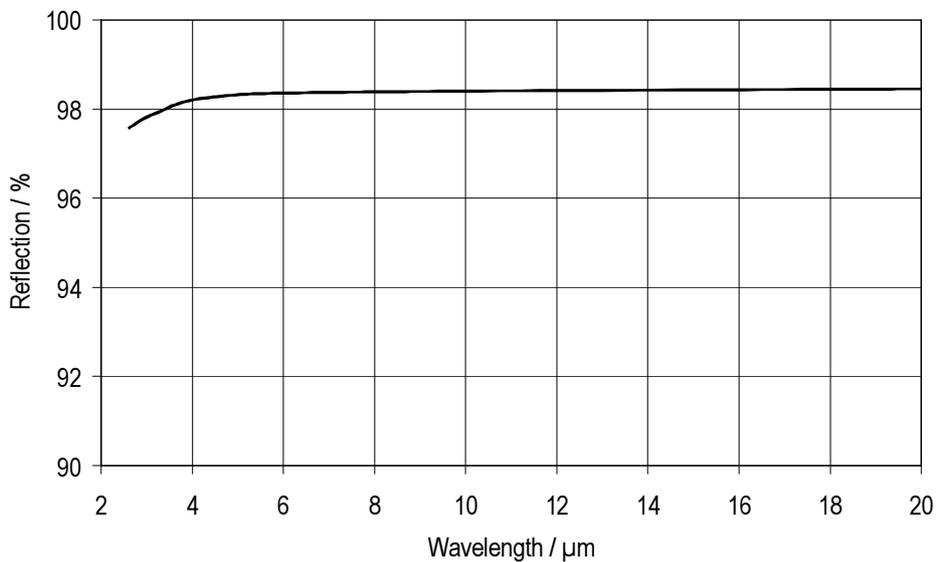
according to MIL-C-48497A

- Abrasion
- Adherence
- Temperature
- Humidity

Typical reflection VIS/NIR / AOI 7°



Typical reflection IR / AOI 7°



Typical reflection at 10.6 μm

AOI: 0°	avg. Polarisation	R > 98.8 %
AOI: 45°	s-Polarisation	R > 98.7 %
AOI: 45°	p-Polarisation	R > 97.5 %