

# CO OM12

Wideband IR mirror for oblique incidence

## DESCRIPTION

This coating is designed to retain high reflectivity in the IR over a wide angular range.

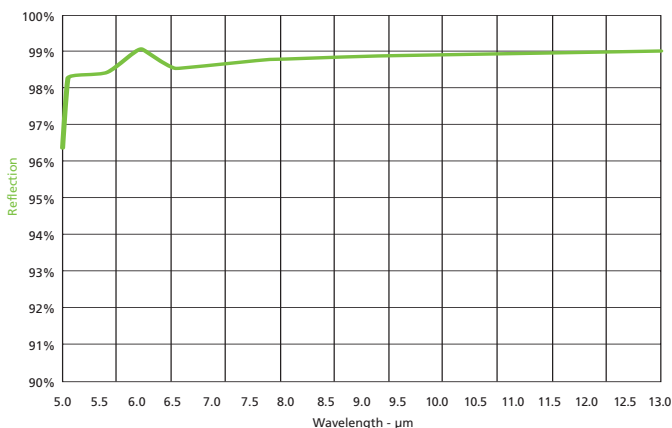
The mirror uses gold as the medium for high reflectivity, and the protective overlayers have been chosen so as to eliminate the reflectivity problems suffered by conventional protected mirrors when used in the IR at oblique incidence.

## SPECTRAL PERFORMANCE

Measured at 45° angle of incidence  
REFLECTION >98% (average) 3 - 5 μm  
REFLECTION >98% (average) 8 - 12 μm

## ENVIRONMENTAL PERFORMANCE

The coating will withstand the following environmental tests which will be carried out on a representative witness piece coated in the same batch.



ADHESION	MIL-C-48497 TS1888	para 4.5.3.1 para 5.1
HUMIDITY	MIL-C-48497 TS1888	para 4.5.3.2 para 5.2.1.2
ABRASION	MIL-C-48497 TS1888	para 4.5.3.3 para 5.4.1