

CO 2202 ZnS Multispectral

Durable Antireflection coating
for multispectral Zinc Sulphide
visible - 12 μm

DESCRIPTION

This coating is designed to give maximum transmission at wavelengths in the visible - 12 μm region.

Typically used in optical systems operating at more than one wavelength region and is suitable for external surfaces.

SPECTRAL PERFORMANCE

Transmission values are for a 2 mm thick multispectral Zinc Sulphide substrate which has been coated on both surfaces with CO 2202.

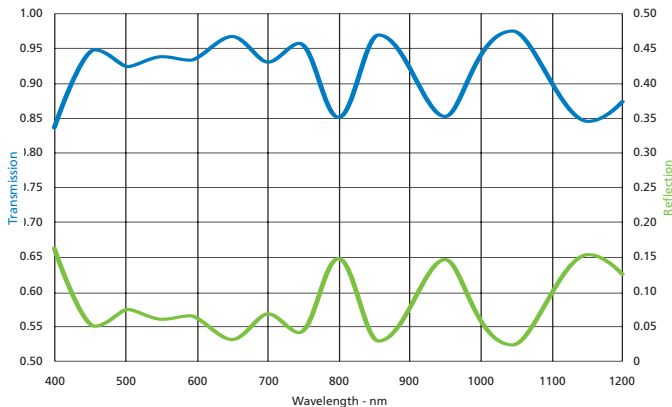
TRANSMISSION > 92% (average) from 450 - 650 nm

TRANSMISSION > 95% (absolute) at 1064 or 1540 nm

TRANSMISSION > 93% (average) from 8 - 11.5 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 4.5.5.1 para 5.4.2
SALT SOLUTION	MIL-C-48497 TS1888	para 4.5.5.2 para 5.2.1.1

