

CO 2209 ZnS 8-12

High efficiency radioactive free
antireflection coating on Zinc Sulphide
8 - 11.5 μm

DESCRIPTION

This coating is designed to maximise transmission for applications in the thermal spectral band.

This coating does not contain any radioactive materials.

SPECTRAL PERFORMANCE

Transmission values are for a 1 mm thick Zinc Sulphide substrate which has been coated on both surfaces with CO 2209.

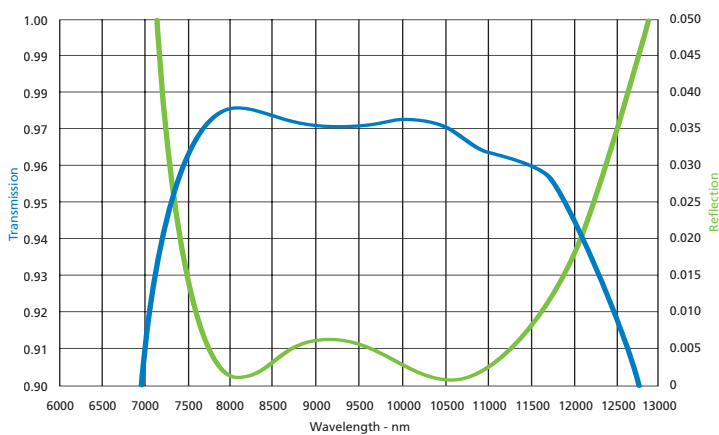
TRANSMISSION > 97% (average) from 8 - 11.5 μm

Reflection values are for a single Zinc Sulphide surface coated with CO 2209.

REFLECTION < 0.5% (average) from 8 - 11.5 μm

ENVIRONMENTAL PERFORMANCE

This 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 4.5.3.2 para 5.4.1