

CO 2204 ZnS Dual band

Dual band antireflection coating
for Zinc Sulphide
3 - 5 μm and 7.5 - 11 μm

DESCRIPTION

This coating is designed for applications requiring transmission in both thermal imaging spectral bands.
This coating does not contain any radioactive materials.

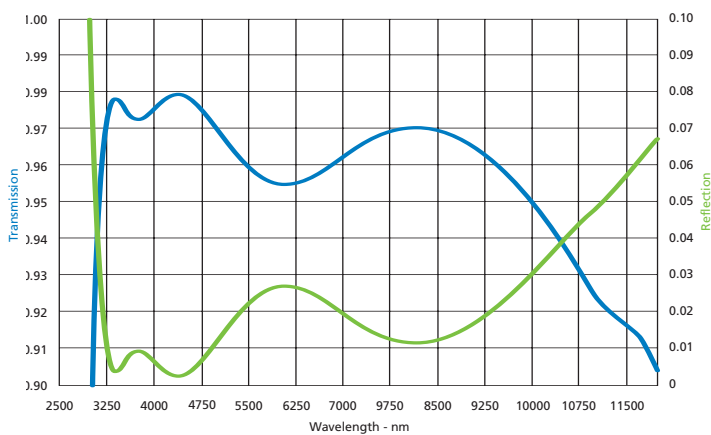
SPECTRAL PERFORMANCE

Transmission values are for a 2 mm thick Zinc Sulphide substrate which has been coated on both surfaces with CO 2204.
TRANSMISSION > 96% (average) from 3 - 5 μm
TRANSMISSION > 95% (average) from 7.5 - 11 μm

Reflection values are for a single Zinc Sulphide surface coated with CO 2204.
REFLECTION < 2% (average) from 3 - 5 μm
REFLECTION < 2% (average) from 7.5 - 11 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