

CO 2411 ZnSe 8-12

Antinarciuss antireflection coating
for Zinc Selenide
8 - 12 μm

DESCRIPTION

This coating is designed for internal surface (I.S.) applications and offers maximum transmission combined with extremely low reflection. Typically used in thermal imaging systems. The coating does not transmit in the visible part of the spectrum and does not therefore facilitate laser alignment. This coating does not contain any radioactive materials.

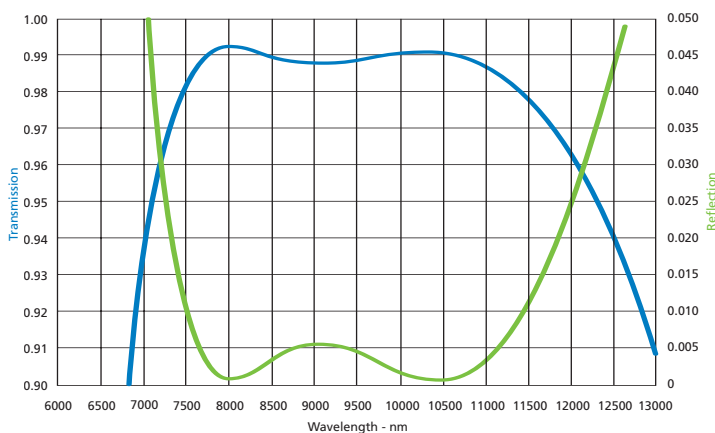
SPECTRAL PERFORMANCE

Transmission values are for a 1 mm thick Zinc Selenide substrate which has been coated on both surfaces with CO 2411.
TRANSMISSION > 98% (average) from 7.5 - 11.5 μm
TRANSMISSION > 96% (absolute) from 7.5 - 11.5 μm

Reflection values are for a single Zinc Selenide surface coated with CO 2411.
REFLECTION < 0.3% (average) from 7.5 - 11.5 μm
REFLECTION < 0.2% (average weighted to typical system response) from 7.5 - 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 4.5.3.3 para 5.4.1
SALT SOLUTION	MIL-C-48497 TS1888	para 4.5.5.2 para 5.2.1.1