

## CO 2404 ZnSe Dual band

Dual band antireflection coating  
for Zinc Selenide  
3 - 5  $\mu\text{m}$  and 8 - 12  $\mu\text{m}$

### 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 Selenide substrate which has been coated on both surfaces with CO 2404.

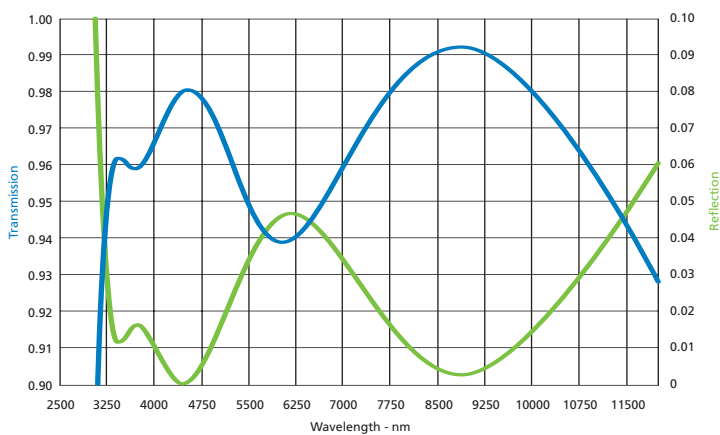
TRANSMISSION > 95% (average) from 3 - 5  $\mu\text{m}$   
TRANSMISSION > 96% (average) from 8 - 12  $\mu\text{m}$

Reflection values are for a single Zinc Selenide surface coated with CO 2404.

REFLECTION < 2% (average) from 3 - 5  $\mu\text{m}$   
REFLECTION < 2% (average) from 8 - 12  $\mu\text{m}$

### 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