

COATING PRODUCT #22100

ZINC SULFIDE DURABLE AR COATING

Description

This durable anti-reflection coating exhibits excellent transmittance over the 8-12 micron spectral region

Spectral Performance

Substrate: 0.040" ZnS, 22100 one side
22101 the other side.

Spectral region: 8.0-11.5 microns

Product Specifications:

$T_{av} \geq 95\%$ (through both surfaces)
 $R_{av} \leq 1\%$ (per surface)

Typical Performance:

$T_{av} \geq 96\%$ (through both surfaces)
 $R_{av} \leq 0.5\%$ (per surface)

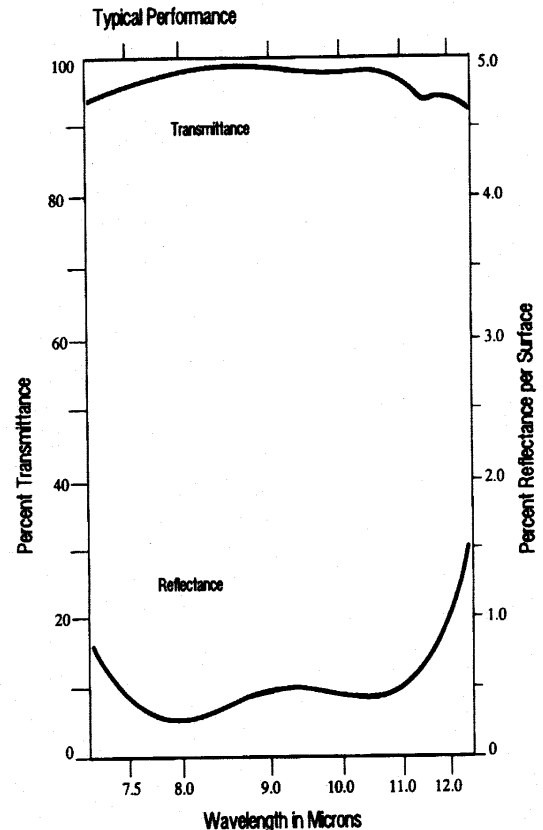
Quality Standards

This coating shall meet the quality requirements of MIL-C-675, MIL-STD-810, MIL-M-13508, MIL-F-48616, and MIL-C-48497 where applicable.

Environmental Performance

Coatings are produced to meet the following test criteria:

Test Available	Test Method
Adhesion	Cellulose tape test
Severe Abrasion	20 cycle eraser test
Humidity	24 hours at 120° F, 95-100% RH Or 10 days at 120° F, 95-100% RH
Salt Spray (fog)	ASTM B117-73 for 24 hours
HCL Durability (missile exhaust)	per customer specifications
Rain Erosion Resistance	standard test available



Coatings are tested to ensure specification compliance and certification can be provided. Customer specified lot-testing is available upon request. For additional information please contact us at 951-926-7666 or opticalsystems.sales@ii-vi.com.



ISO 9001
AS 9100C
ISO 13485

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