

TECHSPEC[®] 12.5 x 12.5mm λ /10 ZERODUR[®] Uncoated Mirror Substrate



Stock #71-508 1 In Stock

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1

+

€80^{.50}

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Volume Pricing	
Qty 1-5	€80,50 each
Qty 6-25	€64,40 each
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Product Downloads

General

Mirror Substrate

Type:

Physical & Mechanical Properties

3.00 ±0.20

Thickness (mm):

12.5 x 12.5 +0.00/-0.20

Dimensions (mm):

Commercial Polish	Back Surface:
Protective as needed	Bevel:
90	Clear Aperture (%):
Ground	Edges:
12.50	Length (mm):
12.50	Width (mm):
30	Parallelism (arcsec):
Optical Properties	
Uncoated	Coating:
$\lambda/10$	Surface Flatness (P-V):
ZERODUR®	Substrate: ☐
20-10	Surface Quality:
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- Precision ZERODUR® Substrates
- $\lambda/10$ Flatness
- Low Coefficient of Thermal Expansion

TECHSPEC® ZERODUR Mirror Substrates are well suited for applications where temperature fluctuation is a concern. The ZERODUR® substrates have a coefficient of thermal expansion (CTE) of $\pm 0.10 \times 10^{-6}/^{\circ}\text{C}$, which is an order of magnitude lower than most glass types. The low CTE allows these mirrors to have a consistent reflected wavefront, even when exposed to environments with varying temperature or illumination sources with changing intensity. TECHSPEC® ZERODUR Mirror Substrates feature precision polished substrates with $\lambda/10$ flatness and 20-10 surface quality.