

TECHSPEC®

75 x 75mm λ /10 ZERODUR® Uncoated Mirror Substrate



Stock **#71-523** 1 In Stock

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1

+

C\$553^{.00}

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Volume Pricing	
Qty 1-5	C\$553.00 each
Qty 6-25	C\$442.40 each
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General

Type:

Mirror Substrate

Physical & Mechanical Properties

Thickness (mm):

7.50 ±0.20

Dimensions (mm):

75.0 x 75.0 +0.00/-0.20

Back Surface:

Commercial Polish

Protective as needed	Bevel:
90	Clear Aperture (%):
Ground	Edges:
75.00	Length (mm):
75.00	Width (mm):
30	Parallelism (arcsec):

Optical Properties	
Uncoated	Coating:
$\lambda/10$	Surface Flatness (P-V):
ZERODUR®	Substrate: ☐
20-10	Surface Quality:

Material Properties	
0.1	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):

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.