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TECHSPEC® 75 x 75mm $\lambda/10$ ZERODUR® Uncoated Mirror Substrate



Stock #71-523 [CONTACT US](#)

- 1 + MRP ₹39,852

i Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹39,852 each
Qty 6-25	₹31,881 each
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General

Mirror Substrate **Type:**

Physical & Mechanical Properties

7.50 ±0.20 **Thickness (mm):**

75.0 x 75.0 +0.00/-0.20 **Dimensions (mm):**

Back Surface:

Commercial Polish

Bevel:

Protective as needed

Clear Aperture (%):

90

Edges:

Ground

Length (mm):

75.00

Width (mm):

75.00

Parallelism (arcsec):

30

Optical Properties

Coating:

Uncoated

Surface Flatness (P-V):

$\lambda/10$

Substrate:

ZERODUR®

Surface Quality:

20-10

Material Properties

Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):

0.1

Regulatory Compliance

Certificate of Conformance:

[View](#)

Country of Origin:

Vietnam

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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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.