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



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

- 1 + €395⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | €395,00 each |
| Qty 6-25 | €316,00 each |
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Mirror Substrate **Type:**

Physical & Mechanical Properties

7.50 ±0.20 **Thickness (mm):**

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

| | |
|----------------------|------------------------------|
| Commercial Polish | Back Surface: |
| 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: <input type="checkbox"/> |
| 20-10 | Surface Quality: |

Material Properties

| | |
|-----|--|
| 0.1 | Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$): |
|-----|--|

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.