

**TECHSPEC® 100mm Dia.  $\lambda/10$  ZERODUR® Uncoated Mirror Substrate**



Stock #71-524 **1 In Stock**

⊖ 1 ⊕ £370<sup>40</sup>

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Volume Pricing	
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Qty 6-25	£296.32 each
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**General**

Mirror Substrate **Type:**

**Physical & Mechanical Properties**

100.00 +0.00/-0.20 **Diameter (mm):**

10.00 ±0.20 **Thickness (mm):**

Commercial Polish **Back Surface:**

Protective as needed **Bevel:**

90 **Clear Aperture (%):**

Ground **Edges:**

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 ( $10^{-6}/^{\circ}\text{C}$ ):**

## 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.