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**TECHSPEC® 25mm Dia. N/10 ZERODUR® Uncoated Mirror Substrate**



Stock #71-513 [CONTACT US](#)

− 1 + S\$138.<sup>60</sup>

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Volume Pricing	
Qty 1-5	S\$138.60 each
Qty 6-25	S\$110.88 each
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**General**

Mirror Substrate **Type:**

**Physical & Mechanical Properties**

25.00 +0.00/-0.20 **Diameter (mm):**

4.00 ±0.20 **Thickness (mm):**

Commercial Polish **Back Surface:**

Protective as needed	<b>Bevel:</b>
90	<b>Clear Aperture (%):</b>
Ground	<b>Edges:</b>
30	<b>Parallelism (arcsec):</b>
<b>Optical Properties</b>	
Uncoated	<b>Coating:</b>
$\lambda/10$	<b>Surface Flatness (P-V):</b>
ZERODUR®	<b>Substrate:</b> <input type="checkbox"/>
20-10	<b>Surface Quality:</b>
<b>Material Properties</b>	
0.1	<b>Coefficient of Thermal Expansion CTE (<math>10^{-6}/^{\circ}\text{C}</math>):</b>
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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.