

TECHSPEC® 12.5 x 12.5mm N/10 ZERODUR® Uncoated Mirror Substrate



Stock #71-508 **1 In Stock**

⊖ 1 ⊕ A\$128.⁸⁰

ADD TO CART

Volume Pricing	
Qty 1-5	A\$128.80 each
Qty 6-25	A\$103.04 each
Need More?	Request Quote

Product Downloads

General

Mirror Substrate **Type:**

Physical & Mechanical Properties

3.00 ±0.20 **Thickness (mm):**

12.5 x 12.5 +0.00/-0.20 **Dimensions (mm):**

Commercial Polish **Back Surface:**

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

Optical Properties

Uncoated	Coating:
λ/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/°C):
-----	---

Regulatory Compliance

View	Certificate of Conformance:
----------------------	------------------------------------

Product Details

- Precision ZERODUR® Substrates
- λ/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 ±0.10 x 10⁻⁶/°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 λ/10 flatness and 20-10 surface quality.