

[See all 23 Products in Family](#)

TECHSPEC® 20 x 20mm $\lambda/10$ ZERODUR® Uncoated Mirror Substrate



Stock #71-512 [CONTACT US](#)

− 1 + €90.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€90,00 each
Qty 6-25	€72,00 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Mirror Substrate **Type:**

Physical & Mechanical Properties

3.00 ±0.20 **Thickness (mm):**

20.0 x 20.0 +0.00/-0.20 **Dimensions (mm):**

Commercial Polish	Back Surface:
Protective as needed	Bevel:
90	Clear Aperture (%):
Ground	Edges:
20.00	Length (mm):
20.00	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.