

**TECHSPEC® 12.5 x 12.5mm N10 ZERODUR® Uncoated Mirror Substrate**



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

£64<sup>40</sup>

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £64.40 each                   |
| Qty 6-25       | £51.52 each                   |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

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    | <b>Back Surface:</b>         |
| Protective as needed | <b>Bevel:</b>                |
| 90                   | <b>Clear Aperture (%):</b>   |
| Ground               | <b>Edges:</b>                |
| 12.50                | <b>Length (mm):</b>          |
| 12.50                | <b>Width (mm):</b>           |
| 30                   | <b>Parallelism (arcsec):</b> |

## Optical Properties

|              |  |
|--------------|--|
| 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>                    |

## Material Properties

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

## Regulatory Compliance

|                      |                                    |
|----------------------|------------------------------------|
| <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.