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



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

- 1 + MRP ₹9,080

**i** Price inclusive of all taxes

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹9,080 each                   |
| Qty 6-25       | ₹7,264 each                   |
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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):**

**Back Surface:**

Commercial Polish

**Bevel:**

Protective as needed

**Clear Aperture (%):**

90

**Edges:**

Ground

**Length (mm):**

20.00

**Width (mm):**

20.00

**Parallelism (arcsec):**

30

## Optical Properties

**Coating:**

Uncoated

**Surface Flatness (P-V):**

$\lambda/10$

**Substrate:**

ZERODUR®

**Surface Quality:**

20-10

## Material Properties

**Coefficient of Thermal Expansion CTE ( $10^{-6}/^{\circ}\text{C}$ ):**

0.1

## Regulatory Compliance

**Certificate of Conformance:**

[View](#)

**Country of Origin:**

Vietnam

**Imported By:**

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## 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.