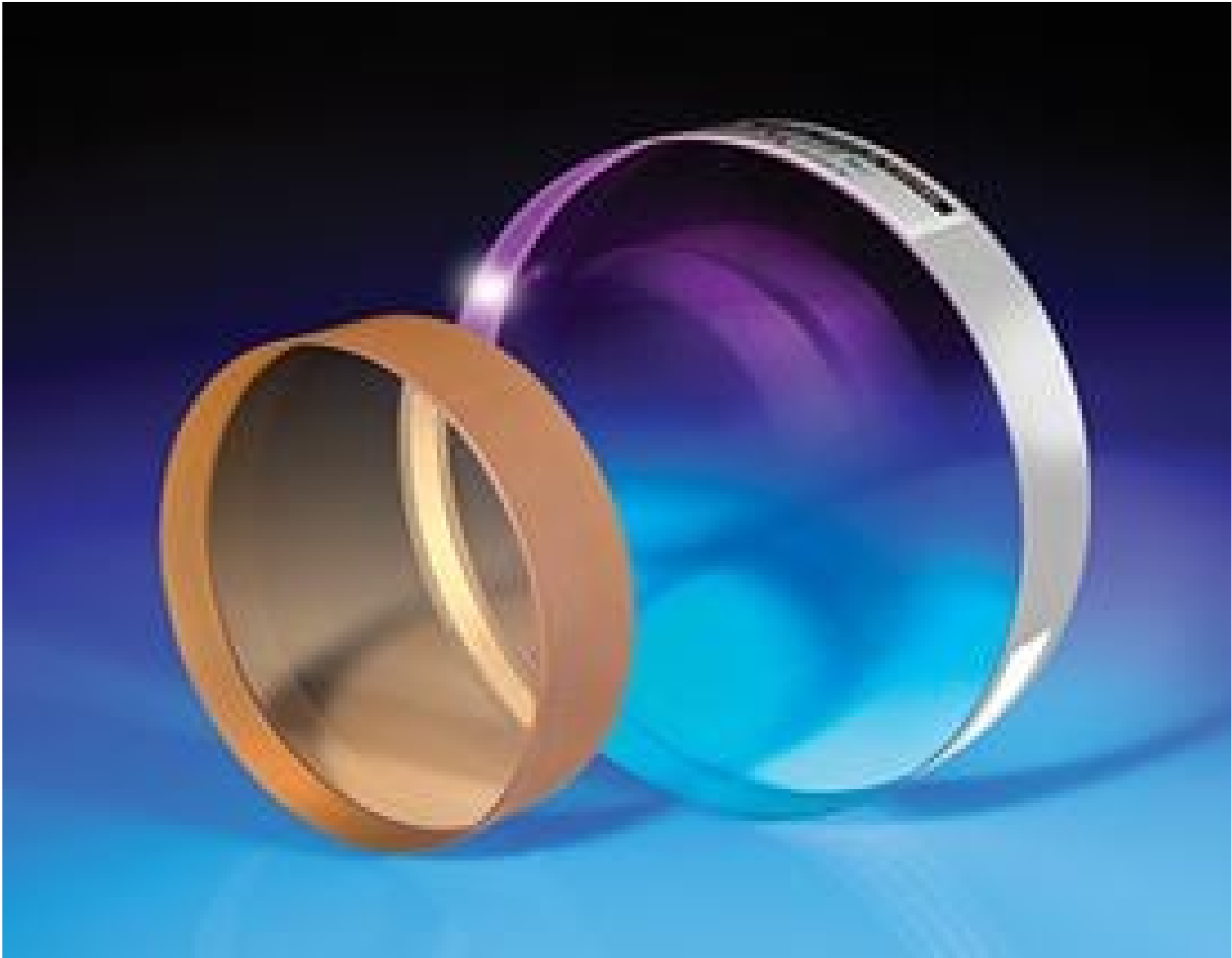


TECHSPEC<sup>®</sup> 127.0mm Dia.  $\lambda$ /10 Fused Silica Optical Flat



Stock **#71-130-000** [CONTACT US](#)

-

1

+

₹1,06,358

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹1,06,358 each                |
| Qty 6-25       | ₹85,086 each                  |
| Qty 26-49      | ₹79,768 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Interferometry Window

Type:

| Physical & Mechanical Properties |                          |
|----------------------------------|--------------------------|
| 114.30                           | Clear Aperture CA (mm):  |
| 5.00 +0.00/-0.04                 | Diameter (inches):       |
| 127.00 +0.00/-1.00               | Diameter (mm):           |
| 1.00 ±0.08                       | Thickness (inches):      |
| 25.40 ±2.0                       | Thickness (mm):          |
| ≤3                               | Parallelism (arcmin):    |
| Protective as needed             | Bevel:                   |
| Single Surface                   | Construction:            |
| 0.16                             | Poisson's Ratio:         |
| 73                               | Young's Modulus (GPa):   |
| 522.00                           | Knoop Hardness (kg/mm²): |

| Optical Properties          |                                        |
|-----------------------------|----------------------------------------|
| Uncoated                    | Coating:                               |
| Fused Silica (Corning 7980) | Substrate: □                           |
| 1.458                       | Index of Refraction (n <sub>d</sub> ): |
| 60-40                       | Surface Quality:                       |
| 67.8                        | Abbe Number (v <sub>d</sub> ):         |
| 200 - 2200                  | Wavelength Range (nm):                 |
| λ/10                        | Surface Flatness (P-V):                |

| Material Properties                                         |                                                              |
|-------------------------------------------------------------|--------------------------------------------------------------|
| 2.20                                                        | Density (g/cm³):                                             |
| 0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C) | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |

| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| <a href="#">View</a>  | Certificate of Conformance: |

## PRODUCT DETAILS

- Sizes Ranging from ½" Diameter to 14" Diameter
- Each λ/20 Flat 76.2mm and Larger Includes a Certificate of Calibration
- Available with Standard Metallic Mirror Coatings: [λ/10 and λ/20 Mirrors](#)

TECHSPEC® Single Surface Optical Flats are used as a reference (test plate) against which the flatness of an unknown surface may be compared. Each piece is precision polished by our master opticians and tested on a Zygo interferometer to insure the surface flatness. The secondary surfaces of our single surface flats are pitch polished to window quality for viewing the interference pattern. TECHSPEC Single Surface Optical Flats ship in a durable storage case for permanent protection. λ/20 flats that are 76.2mm or larger also include a certificate of calibration.