

TECHSPEC[®] 1" Dia. λ /20 Fused Silica Dual Surface Flat



Stock **#48-129** 1 In Stock

-

1

+

£266⁴⁰

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Volume Pricing	
Qty 1-10	£266.40 each
Qty 11-25	£240.00 each
Qty 26-49	£226.40 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Interferometry Window

Physical & Mechanical Properties

Clear Aperture CA (mm):

22.90	
1.00 ±0.04	Diameter (inches):
25.40 ±1.0	Diameter (mm):
0.50 ±0.06	Thickness (inches):
12.70 ±1.5	Thickness (mm):
Protective as needed	Bevel:
Dual Surface	Construction:
Fine Ground	Edges:
≤30	Parallelism (arcsec):
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 _d):
60-40	Surface Quality:
67.8	Abbe Number (v _d):
200 - 2200	Wavelength Range (nm):
λ/20	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 ⁻⁶ /°C):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

Product Details

- λ/10 and λ/20 Surface Flatness Options
 - Each λ/20 Flat 76.2mm and Larger Includes a Certificate of Calibration
 - Extended Lifetime in Contact Measurement Applications
 - [Single Surface Optical Flats](#) Also Available
- TECHSPEC® Precision Dual Surface Optical Flats are precision ground and polished to the stated accuracies on both surfaces so that either face may be used for test applications. Both surfaces are tested and certified by our Zygo Interferometer. Each flat ships in a durable storage case for permanent protection. TECHSPEC® Precision Dual Surface Optical Flats specified for λ/20 flatness that are 76.2mm or larger also include a certificate of calibration. These dual surface flats are uncoated and offered in diameters ranging from 25.40 to 304.80mm.

Compatible Mounts