

TECHSPEC[®] 6" Dia. Protected Silver, λ /20 Flat ZERODUR[®]



Stock **#48-119-577** 3-4 DAYS

-1+

€3.320⁰⁰

ADD TO CART

Qty 1-5
€3.320,00
Qty 6+
€2.990,00
Volume Pricing
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ⓘ

 Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Flatness is specified as Peak to Valley	Note:
Flat Mirror	Type:
Physical & Mechanical Properties	
Commercial Polish	Back Surface:
152.40 +0.0/-1.02	Diameter (mm):
+0.0/-0.04	Diameter Tolerance (inches):
137.16	Clear Aperture CA (mm):
25.40 ±2.0	Thickness (mm):
±2.0	Thickness Tolerance (mm):
Optical Properties	
λ/20	Surface Flatness (P-V):
60-40	Surface Quality:
ZERODUR®	Substrate: ☐
R _{avg} >98% @ 450 - 2000nm R _{avg} >98% @ 2000 - 10,000nm	Coating Specification:
Protected Silver (450-10000nm)	Coating:
Metal	Coating Type:
0.45 - 10	Wavelength Range (μm):
450 - 10000	Wavelength Range (nm):
0.5 J/cm² @ 532nm & 1064nm, 10ns	Damage Threshold, Reference: ☐
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 242:

PRODUCT DETAILS

- Fused Silica and ZERODUR® Substrates
 - λ/10 and λ/20 Surface Flatness
 - Variety of Coating Options Offered
- TECHSPEC® Precision Optical Flat Mirrors are ideal for various applications, including interferometry, imaging systems, laser applications, optical path folding, and autocollimation. These mirrors are available in multiple coating and substrate options and surface flatness options of λ/10 and λ/20. The first substrate option ZERODUR®, a yellow-tinted glass ceramic, features an extremely low coefficient of thermal expansion. TECHSPEC® Precision Optical Flat Mirrors are ideal for applications where temperature fluctuation is a concern using the ZERODUR® substrate. The second option, Fused Silica, is optically clear and features excellent resistance to abrasion and high durability, making it the best choice for applications in harsh environments.
- [TECHSPEC® λ/10 and λ/20 Precision Optical Flats](#) are available for testing and measurement applications.
- Note:** Surface flatness specifications are measured before coating.

COATING CURVES

CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

