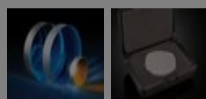
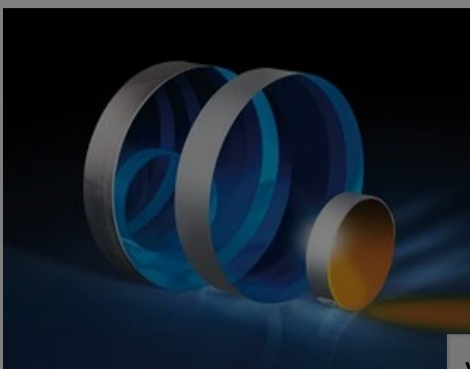


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TECHSPEC® 2" Dia.



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1

€425⁰⁰

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Volume Pricing

Qty 1-10 €425,00 each

Qty 11-25 €378,00 each

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Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
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General

Type: Flat Mirror

Note: Flatness is specified as Peak to Valley

Physical & Mechanical Properties

Diameter (mm): 50.80 +0.0/-1.02

Thickness (mm): 12.70 ±1.5

Back Surface: Commercial Polish

Clear Aperture CA (mm): 45.72

Diameter Tolerance (inches): +0.0/-0.04

Optical Properties

Wavelength Range (µm): 0.45 - 0.65

Coating Type: Metal

Coating: Enhanced Aluminum (450-650nm)

Surface Flatness (P-V): λ/20

Wavelength Range (nm): 450 - 650

Substrate: **ZERODUR®**

Coating Specification: R_{avg} >95% @ 450 - 650nm

Surface Quality: 60-40

Damage Threshold, Reference: 0.2 J/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Need different specifications?

Edmund Optics offers comprehensive custom manufacturing capabilities to meet your unique requirements. Whether in the prototyping phase or full production, 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](#).

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Application
s. Our experienced

Product Details

- Fused Silica and ZERODUR® Substrates
- $\lambda/10$ and $\lambda/20$ Surface Flatness
- Variety of Coating Options Offered

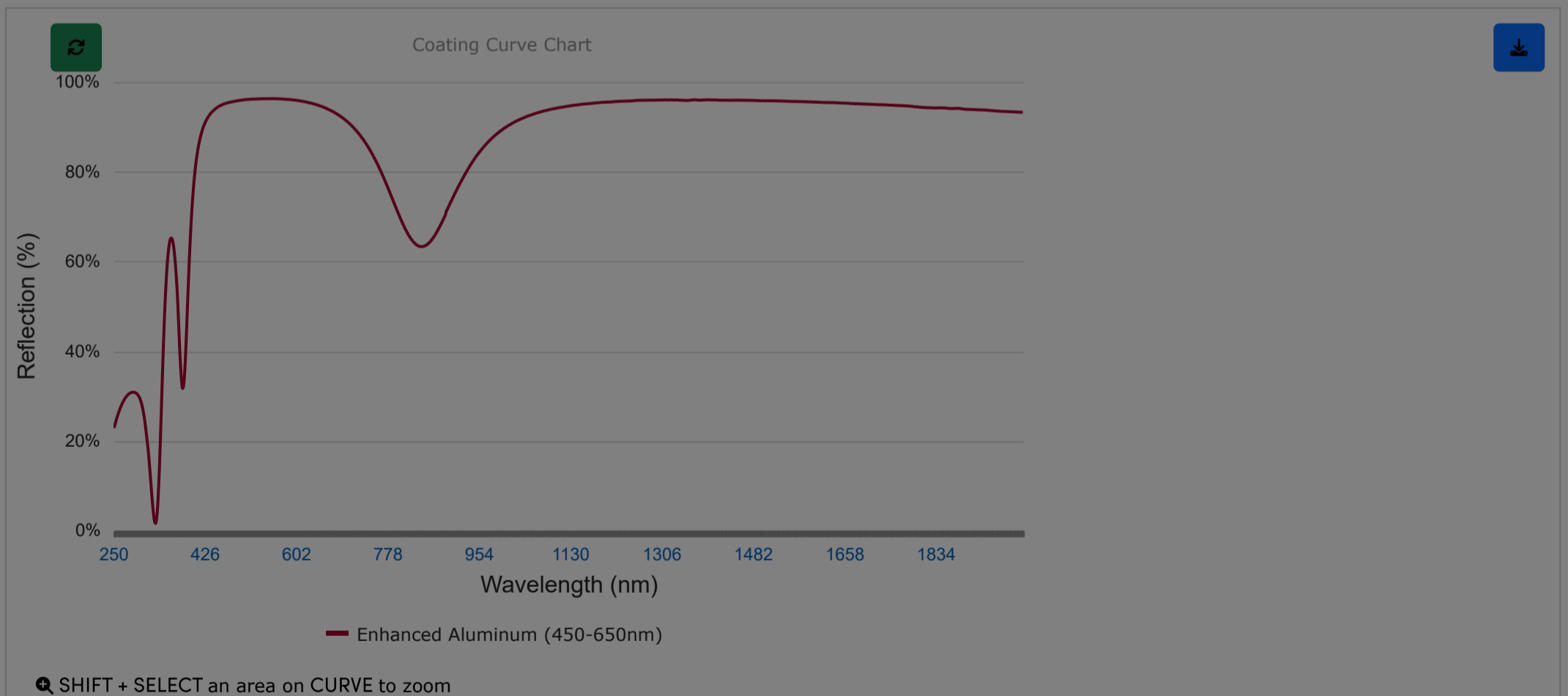
TECHSPEC® Precision Optical Flat Mirrors are ideal for various applications, including interferometry, imaging systems, laser applications, optical path folding, and autocollimation. These mirrors are available in multiple coating and substrate options and surface flatness options of $\lambda/10$ and $\lambda/20$. 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. Please note, calibration certificates are not supplied with these parts.

TECHSPEC® $\lambda/10$ and $\lambda/20$ Precision Optical Flats are available for testing and measurement applications.

Note: Surface flatness specifications are measured before coating.

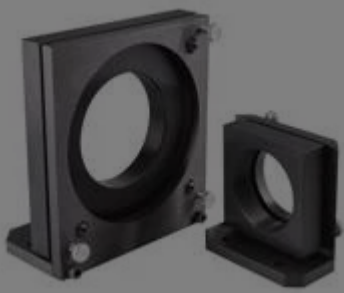
Coating Curves

Enhanced Aluminum (450-650nm)



Please note that coating performance outside each product's specified design range is theoretical and may vary.

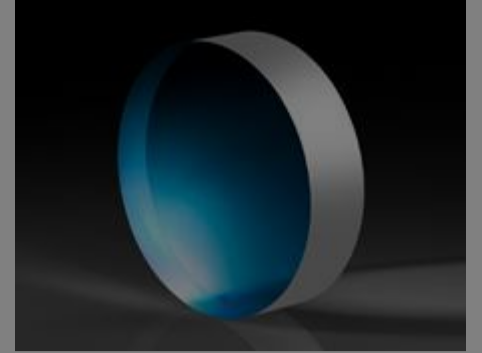
Related Products



Optical Cell Kinematic Mounts

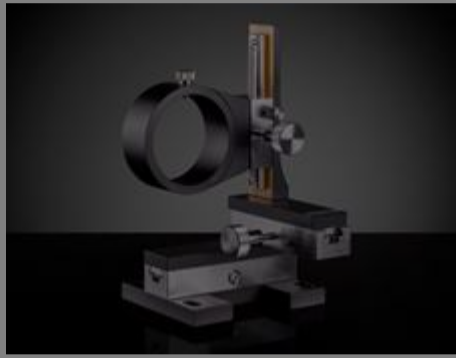
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Precision Dual Surface Optical Flats

Frequently Purchased Together



#03-607 - 50mm Diameter, X-Y-Z Positioning Movement
€975,00

Qty



#03-666 - 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder
€120,00

Qty



#03-670 - 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount
€114,00

Qty

















#36-605 - 9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount
€83,00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-867	€96,00 Request Quote	CONTACT US <input type="text" value="1"/>
	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US <input type="text" value="1"/>
	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., Optical Cell Assembly	Fixed		#36-465 CLEARANCE	€119,95 Request Quote	2 In Stock <input type="text" value="1"/>
	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-852	€135,00 Request Quote	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 50.0/50.8mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable -			€157,00	20+ In Stock <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws					12 In Stock <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-819	€268,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-957	€308,00 Request Quote	1 In Stock <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-005	€361,00 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+	 50.0/50.8mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#56-326	€387,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 

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