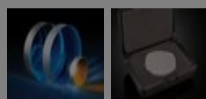
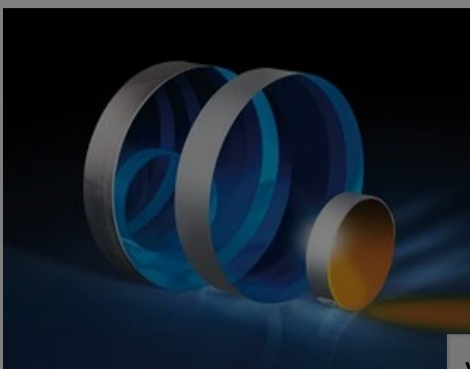


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**TECHSPEC® 0.5" Di**



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1

€175<sup>00</sup>

ADD TO CART

Volume Pricing

Qty 1-10 €175,00 each

Qty 11-25 €156,00 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
- [Download All](#)

General

Type: Flat Mirror

Note: Flatness is specified as Peak to Valley

Physical & Mechanical Properties

Diameter (mm): 12.70 +0.0/-1.02

Thickness (mm): 3.20 ±0.8

Back Surface: Commercial Polish

Clear Aperture CA (mm): 11.43

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<sub>avg</sub> >95% @ 450 - 650nm

Surface Quality: 60-40

Damage Threshold, Reference: 0.2 J/cm<sup>2</sup> @ 532nm, 10ns

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

## Need different specifications?

Edmund Optics offers comprehensive custom manufacturing capabilities to meet your specific 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  
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## Product Details

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

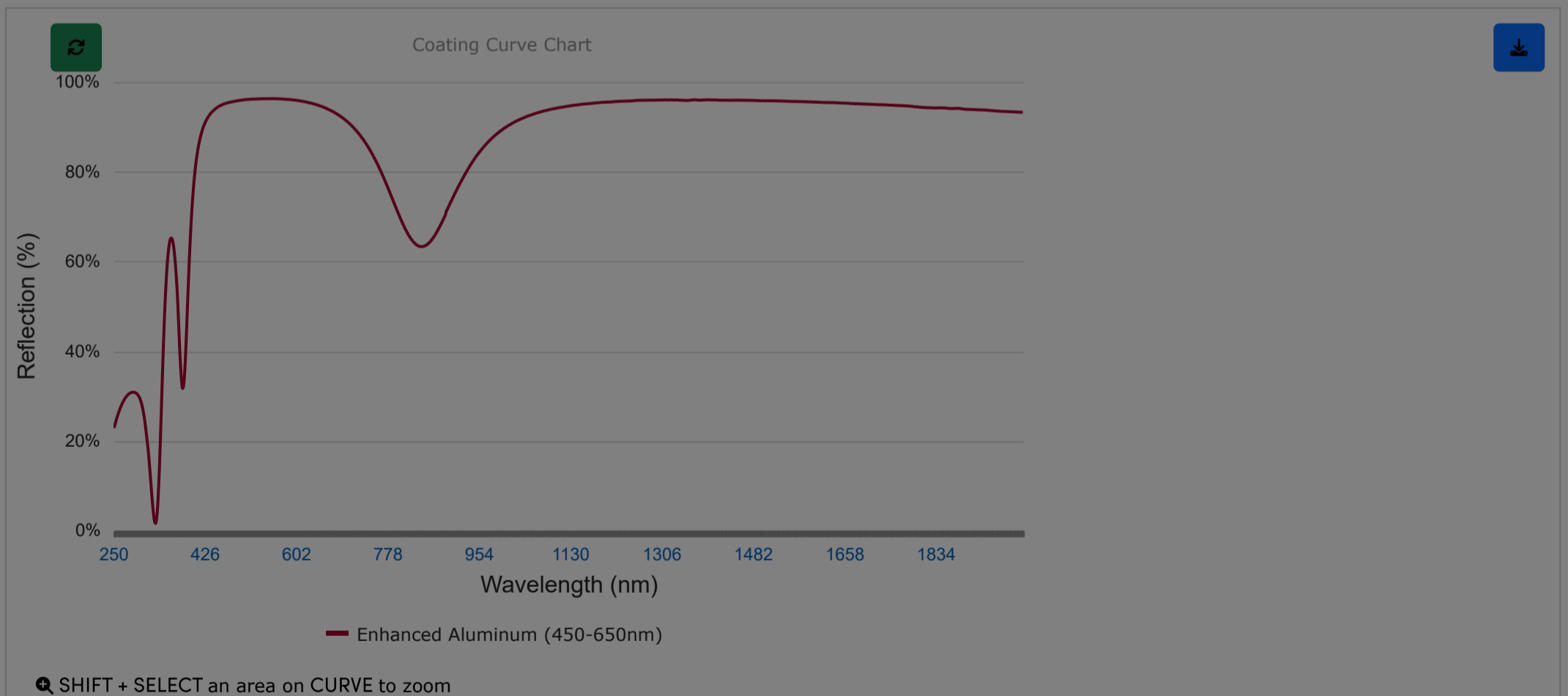
TECHSPEC® Precision Optical Flat Mirrors are ideal for various applications, including interferometry, imaging systems, laser applications, optical path folding, and autocollimation. These mirrors are available in multiple coating and substrate options and surface flatness options of  $\lambda/10$  and  $\lambda/20$ . 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.

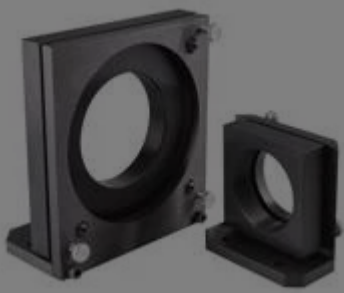
## Coating Curves

Enhanced Aluminum (450-650nm)



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

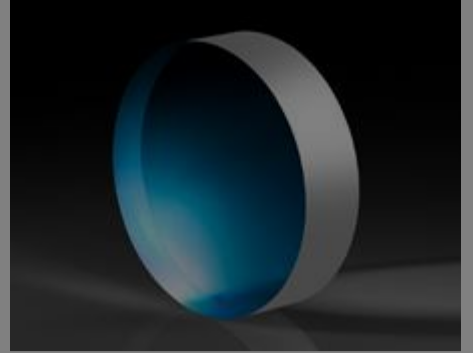
## Related Products



Optical Cell Kinematic Mounts





























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








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Precision Dual Surface Optical Flats

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a> 	12.7mm Optic Dia., Thin Mirror Mount, M4	Fixed		#13-598	€18,50 <a href="#">Request Quote</a>	7 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.7mm Optic Dia., Thin Mirror Mount, 8-32	Fixed		#13-599	€18,50 <a href="#">Request Quote</a>	15 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., SM05 Thin Mount, M4	Fixed		#13-789	€19,50 <a href="#">Request Quote</a>	10 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., SM05 Thin Mount, 8-32	Fixed		#13-790	€19,50 <a href="#">Request Quote</a>	17 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.7mm Optic Dia., Optic Mount	Fixed		#64-556	€32,75 <a href="#">Request Quote</a>	11 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-865	€43,50 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., L-Slot Direct Mount	Fixed		#36-416	€59,00 <a href="#">Request Quote</a>	17 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., Side Flange Direct Mount	Fixed		#36-418	€59,00 <a href="#">Request Quote</a>	10 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-850	€93,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-417	€96,50 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., Compact Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#34-720	€101,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt			€104,00	15 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder					20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., Compact Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#34-721	€117,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-814	€161,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-817	€182,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-955	€261,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#84-640	€421,00 <a href="#">Request Quote</a>	7 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	12.5/12.7mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-958	€429,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 

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