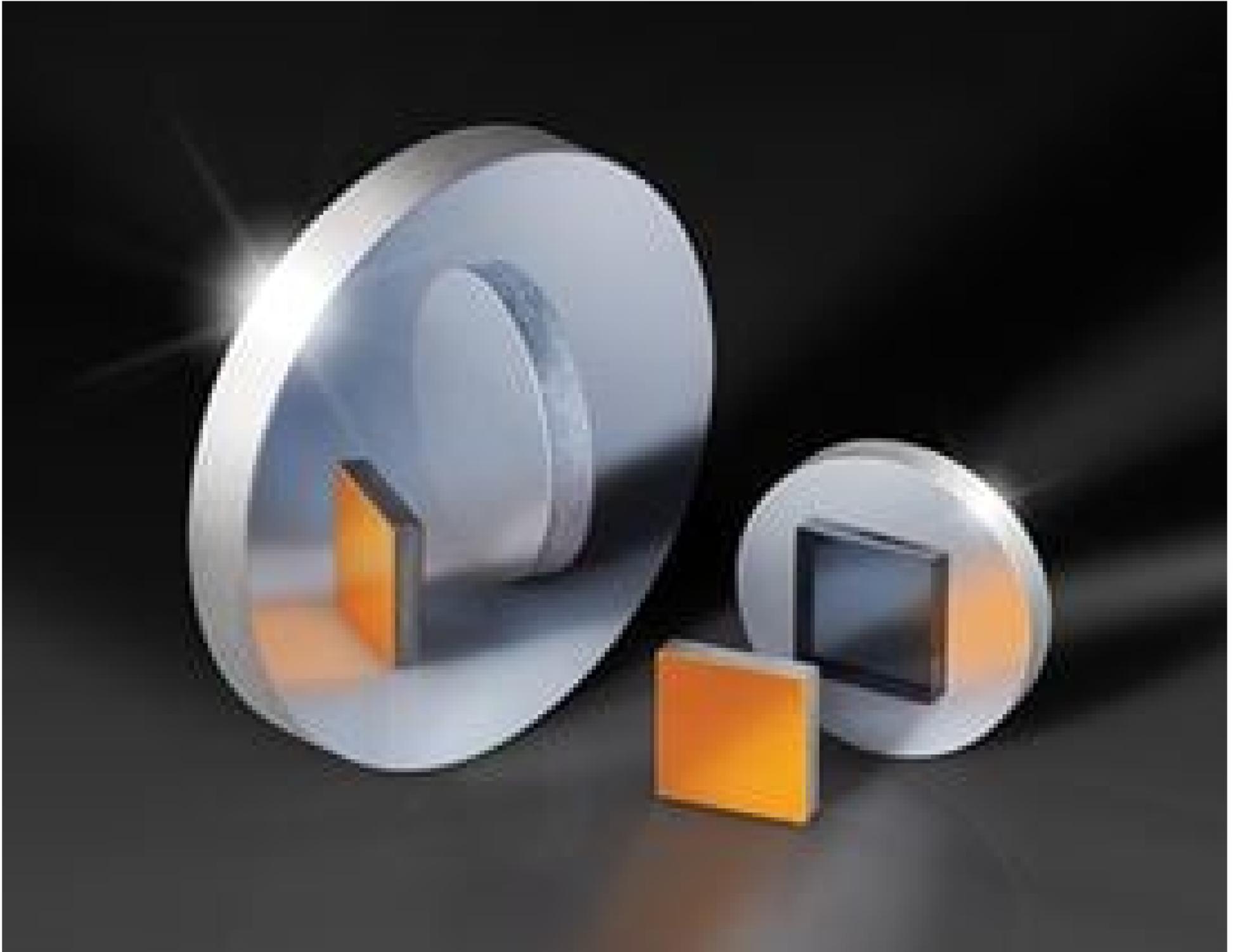


TECHSPEC® 75 x 75mm Enhanced Aluminum, $\lambda/20$ Mirror



Stock #34-369 **5 In Stock**

- 1 + £468.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£468.00 each
Qty 6-25	£372.80 each
Qty 26-49	£349.60 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

7.50 **Thickness (mm):**

75.0 x 75.0 +0.00/-0.20 **Dimensions (mm):**

	Back Surface:
Commercial Polish	
	Clear Aperture (%):
90.00	
	Edges:
Ground, protective bevel as needed	
	Length (mm):
75.00	
	Width (mm):
75.00	
	Parallelism (arcsec):
30.00	

Optical Properties

	Coating Type:
Metal	
	Coating:
Enhanced Aluminum (450-650nm)	
	Surface Flatness (P-V):
$\lambda/20$ (flatness pre-coating)	
	Wavelength Range (nm):
450 - 650	
	Substrate: <input type="checkbox"/>
Fused Silica (Corning 7980)	
	Coating Specification:
$R_{avg} > 95\%$ @ 450 - 650nm	
	Surface Quality:
20-10	

Regulatory Compliance

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

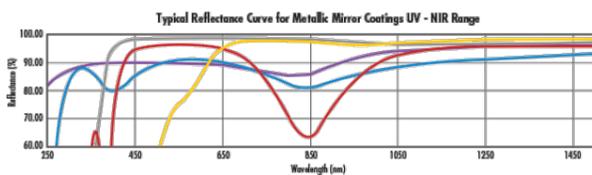
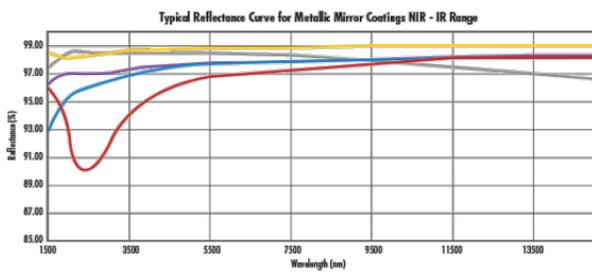
Product Details

- Precision Fused Silica Substrate
- 20-10 Surface Quality
- Low Coefficient of Thermal Expansion

TECHSPEC® $\lambda/20$ First Surface Mirrors are polished to industry leading surface accuracy and quality specifications to minimize reflected wavefront error. These mirrors feature a precision fused silica substrate with a low coefficient of thermal expansion. Multiple coating options are available, allowing these mirrors to be integrated into applications spanning the visible through infrared spectra. TECHSPEC® $\lambda/20$ First Surface Mirrors are ideal for beam steering and reflection applications and are available in a variety of size, thickness, and coating options.

Note: Surface flatness is measured before coating.

Technical Information



Coating	Range (nm)	% Reflection	Coating	Range (nm)	% Reflection	Coating	Range (nm)	% Reflection	Coating	Range (nm)	% Reflection
Protected Aluminum	0.4 - 0.7	85	Enhanced Aluminum	0.45 - 0.65	95	UV Enhanced Aluminum	0.25 - 0.45	89	Protected Gold	0.7 - 2.0	96
	0.4 - 2.0	90		-	-		0.25 - 0.70	85		2.0 - 10.0	96
										0.45 - 2.0	98
										2.0 - 10.0	98

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](#).

Compatible Mounts
