

TECHSPEC[®] 75mm Dia Protected Gold, λ /20 Mirror



Stock **#34-384** 3 In Stock

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1

+

₹52,938

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Volume Pricing	
Qty 1-5	₹52,938 each
Qty 6-25	₹42,273 each
Qty 26-49	₹39,665 each
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General

Flat Mirror

Type:

Physical & Mechanical Properties

75.00 +0.0/-0.20

Diameter (mm):

Commercial Polish

Back Surface:

90.00	Clear Aperture (%):
Ground, protective bevel as needed	Edges:
30.00	Parallelism (arcsec):
7.50 ±0.20	Thickness (mm):

Optical Properties

λ/20 (flatness pre-coating)		Surface Flatness (P-V):
Fused Silica (Corning 7980)		Substrate: □
20-10		Surface Quality:
R _{avg} >96% @ 700 - 2000nm R _{avg} >96% @ 2000 - 10,000nm		Coating Specification:
Protected Gold (700-10000nm)		Coating:
Metal		Coating Type:
700 - 10000		Wavelength Range (nm):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
United States	Country of Origin:
Edmund Optics India Private Limited	Importer:

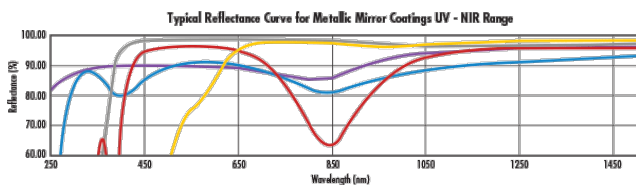
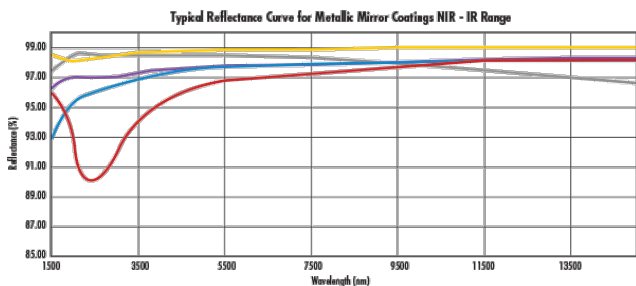
Product Details

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

TECHSPEC® X/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® X/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



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

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
