

TECHSPEC®

50 x 50mm Protected Silver, λ/20 Mirror



Stock **#34-399**

3-4 DAYS

-

1

+

€329⁰⁰

ADD TO CART

Qty 1-5
€329,60
Qty 6+
€263,68
Volume Pricing
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ⓘ

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Flat Mirror

Type:

Physical & Mechanical Properties	
Commercial Polish	Back Surface:
50.0 x 50.0 +0.00/-0.20	Dimensions (mm):
90.00	Clear Aperture (%):
Ground, protective bevel as needed	Edges:
30.00	Parallelism (arcsec):
5.00	Thickness (mm):
50.00	Length (mm):
50.00	Width (mm):
Optical Properties	
$\lambda/20$ (flatness pre-coating)	Surface Flatness (P-V):
Fused Silica (Corning 7980)	Substrate: ☐
20-10	Surface Quality:
$R_{avg} > 98\%$ @ 450 - 2000nm $R_{avg} > 98\%$ @ 2000 - 10,000nm	Coating Specification:
Protected Silver (450-10000nm)	Coating:
Metal	Coating Type:
450 - 10000	Wavelength Range (nm):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

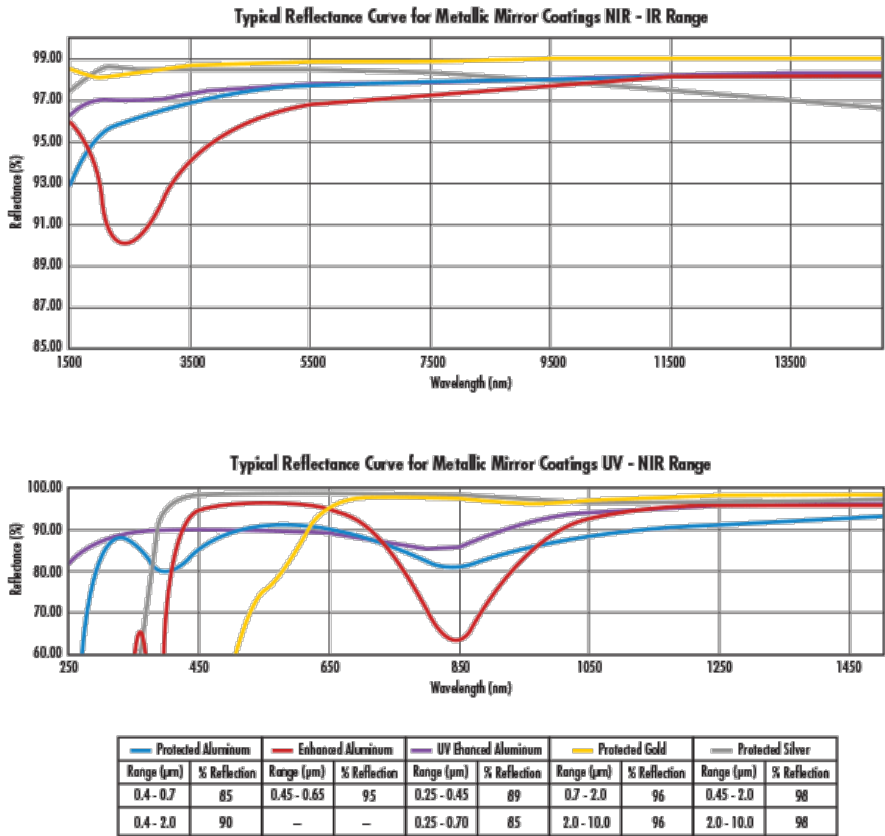
PRODUCT DETAILS

- 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 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