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TECHSPEC®

50 x 50mm Protected Gold, $\lambda/20$ Mirror



Stock **#34-383** 2 In Stock

-

1

+

€391^{.00}

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Volume Pricing	
Qty 1-5	€391,00 each
Qty 6-25	€312,00 each
Qty 26-49	€292,00 each
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

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

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:

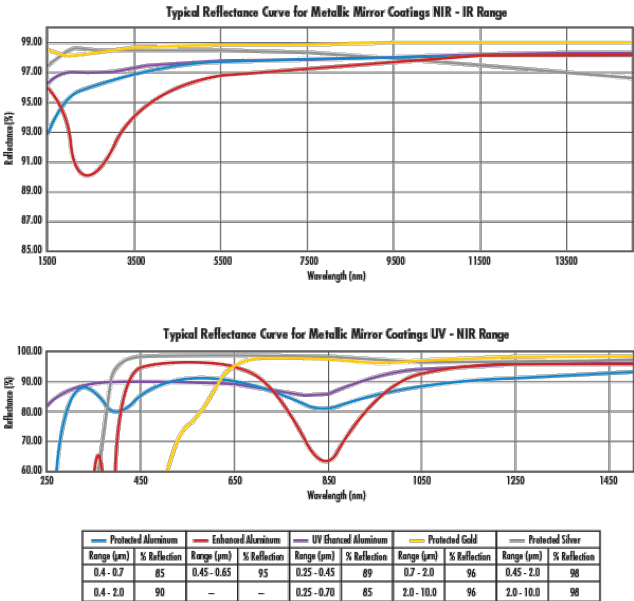
Product Details

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

TECHSPEC® λ /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® λ /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



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
