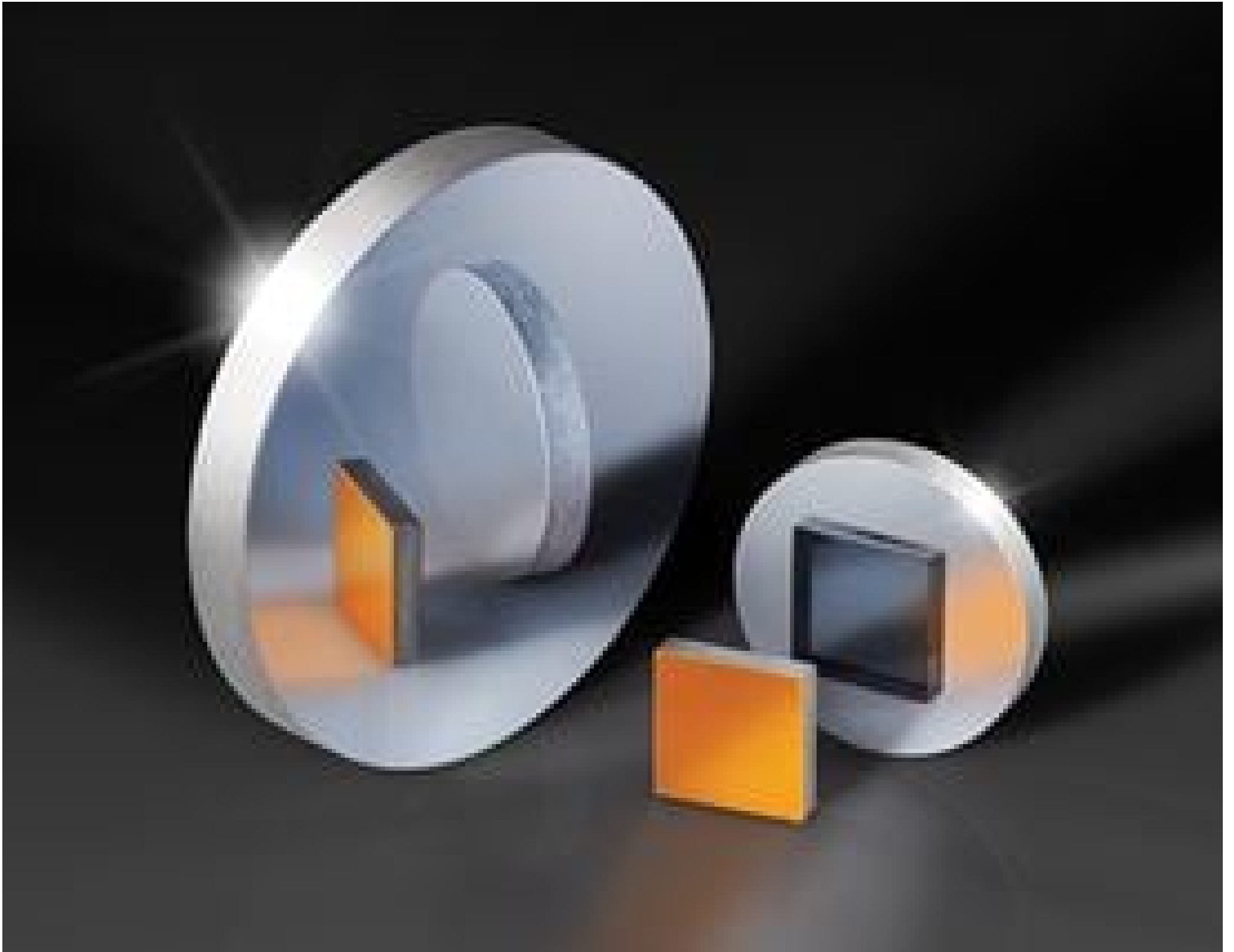


TECHSPEC® 50 x 50mm UV Enhanced Aluminum, λ/20 Mirror



Stock #70-299 **2 In Stock**

⊖ 1 ⊕ €258^{.53}

ADD TO CART

Volume Pricing	
Qty 1-5	€258,53 each
Qty 6-25	€207,03 each
Qty 26-49	€193,64 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Flat Mirror

Physical & Mechanical Properties

Commercial Polish **Back Surface:**

50.00 x 50.00 +0.00/-0.20 **Dimensions (mm):**

90.00 **Clear Aperture (%):**

Ground, protective bevel as needed **Edges:**

30.00 **Parallelism (arcsec):**

5.00 ±0.20 **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:**

Coating Specification:
 $R_{avg} > 85\%$ @ 250 - 700nm
 $R_{avg} > 89\%$ @ 250 - 450nm

UV Enhanced Aluminum (250-700nm) **Coating:**

Metal **Coating Type:**

250 - 700 **Wavelength Range (nm):**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 247:**

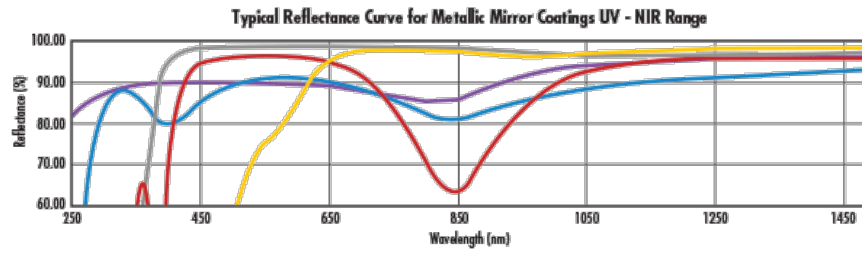
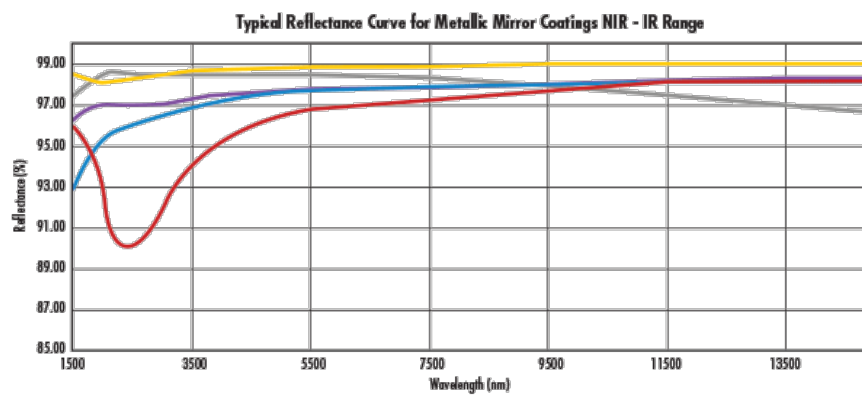
PRODUCT DETAILS

- 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



Protected Aluminum		Enhanced Aluminum		UV Enhanced 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](#).