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75 x 75mm, Rhodium Coated First Surface Mirror

Rhodium Coated First Surface Mirrors

Stock **#15-494** **2 In Stock**

- 1 + **€122**.00

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Volume Pricing	
Qty 1-5	**€122,00** each
Qty 6-49	**€98,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Flat Mirror

Physical & Mechanical Properties

Thickness (mm):

3.00 ±0.20

Dimensions (mm):

75.0 x 75.0

Bevel:
Protective as needed

Dimensional Tolerance (mm):
±0.25

Edges:
Seamed

Length (mm):
75.00

Width (mm):
75.00

Optical Properties

Coating Type:
Metal

Coating:
Rhodium (400-10000nm)

Surface Flatness (P-V):
4 - 6λ

Wavelength Range (nm):
400 - 10000

Substrate:
Float Glass

Coating Specification:
R_{avg} >70% @ 400 - 700nm
R_{avg} >90% @ 2000 - 10,000nm

Surface Quality:
80-50

Environmental & Durability Factors

Coating Abrasion:
Severe, per MIL-C-675C Paragraph 3.8.4.1

Coating Adhesion:
MIL-PRF-13830B, App B Para. 4.4.6

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Need different specs or modifications?

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.

Product Details

- Corrosion and Extreme Abrasion Resistant Rhodium Coating
- High Reflectivity in the VIS and IR
- Ideal for Orthodontic Applications

Rhodium Coated First Surface Mirrors provide high reflectivity and are ideal for orthodontic applications, especially in intra-oral photography. These mirrors feature a rhodium coating, which is an element notably resistant to corrosion and aggressive chemicals and passes severe abrasion tests as per MIL-C-675C. Rhodium Coated First Surface Mirrors utilize a float glass substrate which enables easy customization and provides excellent cost to performance ratio. They are available in standard metric sizes, with either circular or square geometries.

Compatible Mounts

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