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## 12.5 x 12.5mm, Rhodium Coated First Surface Mirror



Rhodium Coated First Surface Mirrors

Stock #15-488 **14 In Stock**

⊖ 1 ⊕ £27<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£27.60 each
Qty 6-49	£22.40 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

#### General

Flat Mirror **Type:**

#### Physical & Mechanical Properties

2.00 ±0.20 **Thickness (mm):**

12.5 x 12.5 **Dimensions (mm):**

Protective as needed	<b>Bevel:</b>
±0.25	<b>Dimensional Tolerance (mm):</b>
Seamed	<b>Edges:</b>
12.50	<b>Length (mm):</b>
12.50	<b>Width (mm):</b>
<b>Optical Properties</b>	
Metal	<b>Coating Type:</b>
Rhodium (400-10000nm)	<b>Coating:</b>
4 - 6λ	<b>Surface Flatness (P-V):</b>
400 - 10000	<b>Wavelength Range (nm):</b>
Float Glass	<b>Substrate:</b> <input type="checkbox"/>
R <sub>avg</sub> >70% @ 400 - 700nm R <sub>avg</sub> >90% @ 2000 - 10,000nm	<b>Coating Specification:</b>
80-50	<b>Surface Quality:</b>

<b>Environmental &amp; Durability Factors</b>	
Severe, per MIL-C-675C Paragraph 3.8.4.1	<b>Coating Abrasion:</b>
ML-PRF-13830B, App B Para. 4.4.6	<b>Coating Adhesion:</b>

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 247:</b>

## 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.

## 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