

Aluminized Circular Flat Mirrors

Optics

Lenses

Mirrors & Beamsplitters

Prisms & Polarizers

Filters

Pinholes

- Protected aluminum coating
- Four levels of quality



Ealing offers a range of protected aluminum flat mirrors in four different qualities. Select from interferometer to utility quality based upon the application at hand. The 25.4 and 50.8 mm mirrors can be held with our mirror mounts. The 76.2 and 101.6 mm mirrors would best be mounted with kinematic mirror mounts.

Opto-mechanics

Breadboards & Rails

Mounting Hardware

Mirror & Component Mounts

Manual Micro Positioners

Motorized Positioners

Specifications

INTERFEROMETER QUALITY

Material: Fused Silica

Diameter Tolerance: ±0.5 mm

Thickness Tolerance: ±0.5 mm

Surface Accuracy: $\lambda/20$ at 633 nm

Surface Quality: 40-20

Coating: Protected Aluminum

RESEARCH QUALITY

Material: As indicated in table

Diameter Tolerance: ±1.0 mm

Thickness Tolerance: +0.5 -1.5 mm

Surface Accuracy: $\lambda/10$ at 633 nm

Surface Quality: 60-40

Coating: Protected Aluminum

LABORATORY QUALITY

Material: Pyrex

Diameter Tolerance: ±1.0 mm

Thickness Tolerance: ±1.0 mm

Surface Accuracy: $\lambda/4$ at 633 nm

Surface Quality: 60-40

Coating: Protected Aluminum

UTILITY QUALITY

Material: Crown Glass

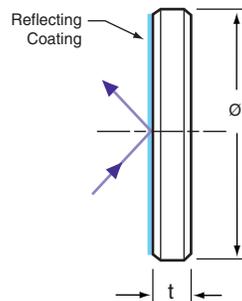
Diameter Tolerance: ±1.0 mm

Thickness Tolerance: +0.5 -1.5 mm

Surface Accuracy: 1-3 λ at 633 nm

Surface Quality: 80-50

Coating: Protected Aluminum



Aluminized Circular Flat Mirrors - Interferometer Quality

Catalog Number	Diameter, Ø (mm)	Thickness, t (mm)	Price US
23-6570	25.4	12.7	\$93.00
23-6265	50.8	15.9	\$185.00
23-6273	76.2	15.9	\$320.00
23-6281	101.6	19.1	\$535.00

Aluminized Circular Flat Mirrors Research Quality - Fused Silica

Catalog Number	Diameter, Ø (mm)	Thickness, t (mm)	Price US
36-1600	25.4	12.7	\$89.00
36-1618	50.8	15.9	\$172.00
36-1626	76.2	15.9	\$263.00
36-1667	101.6	19.1	\$428.00

Aluminized Circular Flat Mirrors Research Quality - Pyrex

Catalog Number	Diameter, Ø (mm)	Thickness, t (mm)	Price US
23-6612	25.4	6.2	\$63.00
23-6216	50.8	9.5	\$135.00
23-6224	76.2	12.7	\$229.00
23-6232	101.6	15.8	\$375.00

Aluminized Circular Flat Mirrors - Laboratory Quality

Catalog Number	Diameter, Ø (mm)	Thickness, t (mm)	Price US
23-6604	25.4	6.2	\$50.00
23-6166	50.8	9.5	\$102.00
23-6174	76.2	12.7	\$186.00
23-6182	101.6	15.8	\$290.00

Aluminized Circular Flat Mirrors Utility Quality

Catalog Number	Diameter, Ø (mm)	Thickness, t (mm)	Price US
23-5218	25.4	5.7-6.35	\$35.00
23-5234	38.1	5.7-6.35	\$66.00
23-5259	50.8	5.7-6.35	\$57.00
23-5275	76.2	5.7-6.35	\$83.00
23-5291	101.6	5.7-6.35	\$117.00