

# Optical Flats



Optical flats are mainly used for the measurement of the surface flatness of polished surface for checking the flatness using monochromatic light source. The main applications of optical flats are listed below:

Calibration of flatness of various optical surfaces

- Inspection of gauge blocks
- Testing of filters, mirrors, and prisms
- Spectrophotometry

Optical flats are available in optical material such as N-BK7 equivalent glasses. Fused Quartz Optical Flats quote will be provided against specific requirement.

Our optical Flats are accompanied by

- Flatness Inspection Report using fringe analysis software

Our Test equipment's:

- Laser Fizeau Interferometer
- Reference optical Flat(L/20)
- Fringe analysis software
- According US MIL STD

Part Number Single Side	Part Number Double Side	Diameter (mm)	Thickness (mm)
OFS-50	OFD-50	50	15
OFS-75	OFD-75	75	15
OFS-100	OFD-100	100	25
OFS-125	OFD-125	125	30
OFS-150	OFD-150	150	30
OFS-200	OFD-200	200	35
OFS-250	OFD-250	250	38

Material : BK7 or Equivalent

Angle Tolerance : < 15 minutes

Bevel : 0.5mm x 45 deg

Clear Aperture : 95%

Surface Quality : 80-50 Scratch & dig

Surface Accuracy :  $\lambda/4$ ,  $1/\lambda 6$ ,  $\lambda/10$

Rear Surface : Ground / Polished

For more details kindly check our website.



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