

BAADER PLANETARIUM ASTROSOLAR™ SOLAR SAFETY FILM (Neutral Density 5) for Superior Solar Visual Observation and CCD/Video Imaging!

- This product will greatly outperform Mylar Film and even glass solar filters.
- See the Interferometry images below for more information.
- There is no other white light filter that will come close to both the definition of detail and contrast of the image as the AstroSolar Film.
- The ASTROSOLAR™ film gives a high contrast white solar disk image on a black background.
- No Distracting False Color Images
- More Detail Visible
- Perfect for Video Imaging with an ASTROVID CCD VIDEO CAMERA.
- Perfect for CCD Imaging with a Starlight Xpress CCD Camera.
- High Resolution photography also possible

Construct a simple filter cell and save money.

- Instructions on the following page show you how you can save up to and over a hundred dollars when you build your own filter cell.

Baader Planetarium is proud to present a new safety film for solar observation. It is made for the construction of high-quality objective-filters for observing the sun with telescopes, binoculars, camera or video-lenses.



This foil is CE-tested and reduces the intensity of sunlight by 99.999%.

The coating of the foil is subject to constant quality control. Its reflective property of over 99.999% has been tested by a German Republic bureau of standards and conformity with EU norm 89/686 is certified with the CE-symbol.

Technical Description /Certifications:

Baader Planetarium's AstroSolar™ safety film is a specially manufactured streak- and blister - free foil. It attains the optical performance of plane - parallel glass filters. The base material is not "Mylar"! The basic development of this film was made in laboratories for nuclear- and particle physics.

Available from Adirondack Video Astronomy, ASTROSOLAR FILM is available in two sizes:

BAADER AstroSolar™ Density-5

High density coatings on both sides of the foil ensures a highly uniform filtering, while neutralizing the occasional microscopic holes in the coating. The image of the sun is extremely high in contrast and of almost neutral color.

Item# AS50A4 A4 size (7.9" x 11.4") 200 x 290 mm

Item # AS50HM size 500 x 1000mm (19.7" x 39.4")

Instruction Manual also included

LASER INTERFEROMETRY OF ASTROSOLAR FILM tm.

LASER INTERFEROMETRY IS A REFERENCE METHOD USED TO EVALUATE THE QUALITY OF AN OPTICAL SURFACE.

The Baader Planetarium AstroSolar TM Film shows dramatic Improvements over Mylar Film traditionally used for Solar observations and imaging.

**Below are both Surface and Stellar Interferometry Images from Mr. Peter Rucks of
Anschrift: Paul Pleiger Maschinenfabrik GmbH & Co. KG , Geschäftsbereich
Laseroptik, Dipl.-Phys. Peter Rucks , Im Hammertal 51 , D-58456 Witten.**

Surface Interferometry Images

REFERENCE IMAGES



Reference Image of a Perfect Optical Surface



Perfect Stellar/Point Image on a perfect optical Surface

99.9 % (Closeness to Perfection)



3D Perfect Surface Image

ASTROSOLAR tm IMAGES

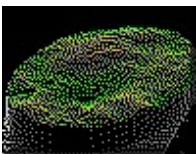


ASTROSOLAR TM



ASTROSOLARtm Stellar/ Point Image

94.1% (Closeness to Perfection)



3D ASTROSOLARtm SURFACE IMAGE

MYLAR FOIL IMAGES

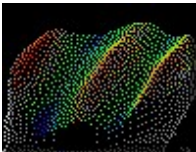


MYLAR FOIL



MYLAR FOIL Stellar / Point Image

57.2% (Closeness to Perfection)



3D MYLAR FOIL SURFACE

As you can see the ASTROSOLAR film is quite superior to Mylar Foil. Your Solar Observations and Imaging will be greatly enhanced with the Baader ASTROSOLAR FILM.

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