

Laser protection window, filter -0214, dimensions 100 x 200 mm, thickness 3.0 mm

Product information:

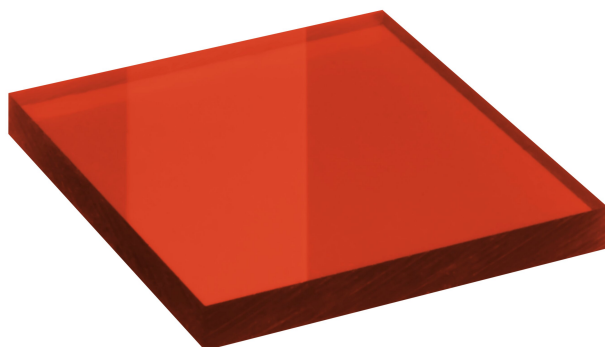
Item no.: 100-K0214-100x200

Application: Excimer (193 nm) UV (248 nm) Nd:YAG 4x (266 nm) Nd:YAG 3x (355 nm) Diode (450 nm) Diode (480 nm) , VLT (Visible light transmission): 40 %

Filter color: orange

Filter material: special plastic

Laser protection window made of special orange plastic suitable for Excimer (193 nm), UV (248 nm), Nd:YAG 4x (266 nm), Nd:YAG 3x (355 nm), Diode (450 nm) and Diode (480 nm) lasers



Qualified protection levels according to EN 12254

Wavelengths	Protection levels
• >180-315	D AB7 + IR AB2 (OD10+)
• >315-365	DIR AB5 (OD10+)
• >365-375	DIR AB5 (OD6+)
• >375-392	DIR AB4 (OD4+)
• >392-400	DIR AB5 (OD5+)
• >400-410	DIR AB5 (OD6+)
• >410-425	DIR AB5 (OD8+)
• >425-485	DIR AB5 (OD10+)
• >485-500	DIR AB5 (OD7+)
• >500-510	DIR AB5 (OD6+)
• >510-520	DIR AB4 (OD4+)
• >520-525	DIR AB3 (OD3+)
• >525-532	DIR AB2 (OD2+)
• >532-540	DIR AB1 (OD1+)
	PF CE

Specified protection according to EN 60825-4 (power densities):

Wavelength [nm]	Test class	Max. resistance time $t_{\max}$ [s]	Power density [kW/m ²]
315 – 510	T2	110	40

Properties:

Laser protection windows enable your employees to safely observe the processes in a laser system. Regardless of whether you want to integrate the laser protection windows in machine enclosures or in movable walls, we offer you the right, tested protection for your laser system, for your laser equipment and for your laser application. Depending on the desired protection level or window size, you can choose between windows made of glass or plastic. In addition to a variety of standard sizes, custom cuts are also possible thanks to our in-house production.

The **0214 laser protection filter** is particularly suitable as laser protection for powerful **Excimer (193 nm)**, **UV (248 nm)**, **Nd:YAG 4x (266 nm)**, **Nd:YAG 3x (355 nm)**, **Diode (450 nm)** and **Diode (480 nm) lasers**. However, other lasers are also covered by the filter. The laser safety filter is made of a special green plastic and has a daylight transmission of approx. 40% with a low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

- dimensions 100 x 200 mm
- also available in the standard size **210 x 297** mm and maximal size **610 x 915** mm
- other customized sizes available on request
- suitable **window frames** available on request



For a perfect and safe cleaning of this filter we recommend this **cleaning spray**.

