Wolf Laser Blocking Curtains: Declaration of Conformity

Lasermet Ltd
Lasermet House
137 Hankinson Road
Bournemouth BH9 1HR
United Kingdom
Tel: 44 (0) 1202 770740
Fax: 44 (0) 1202 770730
office@lasermet.com
www.lasermet.com

This declaration refers to Lasermet Wolf laser blocking curtains.

Declaration of Conformity

This laser blocking curtain conforms to the following European directives and standards:

Directives: Machinery Directive 2006/42/EC
EMC Directive 2004/108/EC

Standards: BS EN IEC 60825-4 *Safety of Laser Products, Part 4: Laser Guards*

Fire Rating: NFP 92-503 M2

Instructions for Use

This laser blocking curtain is intended to be used to stop stray laser radiation from escaping a laser-controlled area such as a laboratory, operating theatre or other area containing a laser. Typical uses are over windows or as part or all of a laser enclosure. The curtain should be used to protect those outside the area from the laser radiation. Those inside the laser-controlled area must wear suitable personal protective equipment (e.g. laser protective eyewear). To maintain the safety of those outside the laser-controlled area this product must be used in accordance with the following instructions.

The curtain can be used for blocking lasers of all wavelengths between 180 and 10600nm (inclusive). Either side can be used to block the laser radiation.

The table below shows the PEL (Protective Exposure Limit) for each side of the curtain for a 100s exposure:

Irradiated Area	PEL (T3) 10s	PEL (T2) 100s
4 mm^2	248 kW/m^2	140 kW/m^2
2000 mm^2	124 kW/m^2	70 kW/m^2

For longer times the PEL may be less. The user should ensure that the irradiance of the incident laser radiation does not exceed the PEL.

The optical density of the curtain is greater than 5, when exposed below the PEL.

Installation

Fix the curtain track to the wall or ceiling as desired. Lasermet recommend the use of Silent Gliss 1280 curtain track or Silent Gliss 6103 for applications where the track is suspended below the ceiling. Where bends are required these tracks must be supplied pre-bent to specification. Lasermet can supply Silent Gliss curtain track.

The curtain can be used to block laser radiation from either side.

The top edge of the curtain has eyelets. Consumer hooks (S hooks with one end smaller than the other) are supplied. For each eyelet hook the large end of the consumer hook through the eyelet and hook the small end through the curtain track runner.

Inspection and Damage

The curtain should be inspected at regular intervals for signs of damage from laser beams. If any such damage is evident the curtains should be replaced or sent for repair.

Cleaning

For best results clean with special cleaning wipe available from Lasermet, part number LBSCW. Alternatively, clean the screens using warm soapy water.

Signed,

Paul Tozer
Managing Director

Date: 7th October 2020