

**Severosklo Kamenický Šenov s.r.o.**  
sídlo: Stará huť 129, 471 14 Kamenický Šenov  
IČ:254 11 560; DIČ:CZ25411560, spisová zn. C 16276, Krajský soud Ústí nad Labem

## User manual

**For the use of protective glass filters against infrared radiation**

**INFRAZOR eye protection against infrared radiation, Type: INFRAZOR non-coated,  
protective scale 4-2 to 4-8 - type no. 2**

Protective shields are manufactured and supplied by: **Severosklo Kamenický Šenov s.r.o.**  
**Stará huť 129**  
**47114 Kamenický Šenov**

phone: **487764082-3**

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[www.severosklo.cz](http://www.severosklo.cz)

The protective filters are made of Infracolor glass. Infracolor is a basic-use shield with an optical class 1 and filtration effect without corrective effect. These shields are exclusively used for eye protection against the effects of infrared radiation emitted, for example, during thermal processes such as melting, hardening, firing, heating, etc.

The protective filters are intended for use against infrared radiation (IR). The level of protection is expressed by the protection degree number according to ČSN EN 171: 4-2, 4-2.5, 4-3, 4-4, 4-5, 4-6, 4-7, 4-8 (see table of recommended use).

The product is effective and complies with the conditions of European Parliament and Council Regulation (EU) 2016/425, ČSN EN 166:2002/rev. 1:2010, and ČSN EN 171:2002. Classification of personal protective equipment: INFRAZOR eye protection against infrared radiation, Type: INFRAZOR uncoated, protection level 4-2 to 4-8 - type no. 2 classified by the manufacturer as OOP category II.

EU declaration of conformity can be found at web site: [www.severosklo.cz](http://www.severosklo.cz).

Notified Body involved in PPE assessment: Institute for Testing and Certification, a.s. (NB 1023) with registered office at třída Tomáše Bati 299, Louky, 763 02 Zlín.

Infracolor glass protective filters are marked with the following (example of marking):

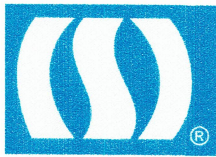
**IF 4 - 5 SCS 1 CE**

which is located in the upper right corner of the rectangular shield or on the edge of the round shield, and is in white colour.

Meaning of marking:

IF	- trade name
4	- designation of the infrared radiation filter
5	- protection level
SCS	- manufacturer identification mark
1	- optical quality class
CE	- conformity marking

The protective filters are made of glass with a smooth surface that does not allow the user to be injured. Glass is an inert material to the work atmosphere and is resistant to commonly used liquids and cleaning agents without releasing any harmful substances and decomposition intermediates. The shields are inserted into a hood or glasses frame during use, so there is no risk of injury from the edges of the shield. The protective shields are manufactured in such a way they do not exhibit optical distortions during use. The relevant dioptric effects are given in ČSN EN 166.



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Disinfection and cleaning can be carried out using water and common disinfectants and cleaning agents intended for window glass cleaning. Cleaning must not be carried out in a dishwasher.

Usability when adhering to normal usage guidelines is 10 years. In case of damage (scratching, breaking), the eyepiece must be replaced. Eyepiece may be damaged due to a fall from a height or a large mechanical impact that exceeds normal usage.

Eyepieces are packaged in cardboard boxes of 50 or 100 pieces, with a marked expiration date.

Storage of eyepieces must be done in a dry environment.

Disposal is carried out by placing them in recycling containers intended for coloured glass waste.

**Table 2 - Marking and typical use:**

protection degree number	Typical use based on average source temperature °C
4 - 2	1 110
4 - 2,5	1 150
4 - 3	1 190
4 - 4	1 290
4 - 5	1 390
4 - 6	1 510
4 - 7	1 650
4 - 8	1 810

Date and place of issue:  
Kamenický Šenov 30.1.2023



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Sign and stamp