

Protective Glasses

SCRATCH PROOF, ANTI-FOG

en Scratch proof protective glasses Anti-Fog

Indicates using the PPE. The user must:
- Make sure it is suitable for intended use (by thoroughly reading these notes) and make sure the ocular/lens/screen component is devoid of scratches and/or cracks or defects that could negatively affect resistance to knocks and/or correct viewing. If necessary, replace the damaged ocular.
- In case the PPE is supplied disassembled, the user must assemble the component.

In parts according to any instructions under separate cover or contained in the pack to ensure the performance standards indicated by the markings are achieved. If this PPE is intended to be used with another device, the latter and the combination of the two are expressed in separate documents.

- Position any removable and/or repositional ocular in the envisaged operating configuration so that the protection exists referred to by the markings.

- Adapt any adjustment systems. The PPE must not accidentally move during use.

- Wear the PPE before exposure to the risk conditions against which it is meant to safeguard and use it only for the use for which it is intended as indicated by the markings.

The PPE must not be exchanged between several users but are specifically designed for personal protection.

In case, during use, the PPE is damaged as a result of an impact, burning and/or exposure to corrosion, this will have to be replaced. The PPE must be completely disassembled in a special document provided by the manufacturer and then the individual components must be cleaned with water and dried with a soft non-abrasive cloth; lenses with anti-fog treatment must only be cleaned using a soft cloth. For disinfection with specific products, contact Univet s.r.l.

- Keep non-contaminated PPEs in their original pack at a temperature between 5°C and 40°C in a dry place where there are no organic vapours or abrasive dusts in suspension. To prevent any drop in product performance, do not expose it to heat sources or uv radiation. (see also the note on the PPE).
Compliance with the requirements of dir 89/686/EEC has been checked with reference to the applicable clauses of EN 166 standard. The identification code of the PPE is shown on the packaging itself.

The performances of this PPE are expressed by the markings affixed to the product and if necessary repeated inside the packs – the tests of use and performances in terms of protection can also be deduced from the "Guides for selection and use" in EN166, EN170, EN171 standards, as well as in the appendix "Use of sun filters" of the EN172 standard.

Any filter performance is described in the markings by the scale number as combination of the code number and the shade number joined by a dash: for welding filters only the shade number exists.

Code numbers	2	2-1.2	2-1.4	2-1.7	2-2	2-2.5	2-3	2-4	2-5
Filters for ultra-violets	3	3-1.2	3-1.4	3-1.7	3-2	3-2.5	3-3	3-4	3-5
Code numbers	4	4-1.2	4-1.4	4-1.7	4-2	4-2.5	4-3	4-4	4-5
Filters for infra-reds	5	4-6	4-7	4-8	4-9	4-10			
Code numbers	6	5-1.1	5-1.4	5-1.7	5-2	5-2.5	5-3.1	5-4.1	
Scale numbers	6-1.1	6-1.4	6-1.7	6-2	6-2.5	6-3.1	6-4.1		
Filters for industrial use	1	1.2	1.4	1.7	2	2.5	3	4	5
no code	2	6	7	8	9	10	11	12	13
Filters for welding and related techniques	3	14	15	16					

C = after the code number, this indicates oculars with higher colour identification performance (EN170 standard)
T = indicates the PPE has been tested for protection against high-speed particles at extreme temperatures -5°C and +55°C (FT or BT or AT)
If the device does not bear the letter T, it must only be used against high-speed particles at ambient temperature. (EN168)

DESCRIPTION OF PERFORMANCES ACCORDING TO RESISTANCE OF PRODUCT TO IMPACTS

Marking	Applicability	Definition	Impacting element	Impact speed
S	All types of eye protectors	Increased robustness	Steel ball Ø 22mm min weight 43g	approx. 5,1m/s
		High-speed particles		
F	All types of eye protectors	Low-energy impact	Steel ball Ø 6mm	45m/s
B	goggles and face shields	Medium-energy impact		120 m/s
A	face shields	High-energy impact		190 m/s

The expiry date of the PPE depends on the context of use. If the instructions for use, maintenance, cleaning and storage of the PPE are followed, the article can also be used for more than six months from when the pack is first opened. Proceed in any case to replace the PPE every 3 years and even earlier if evident signs of degradation appear.

Sequence of representation of the frame marking symbols

U	Identification of the manufacturer: Symbol U identifies Univet s.r.l.
	Standard number
	Symbol/s for pertinent field/s of use
	Symbol of increased robustness/resistance to high-speed particles/extreme temperatures (if pertinent)
	Symbol indicating that the PPE is dimensionally defined for a small-size head: Symbol H (if pertinent)
	Max scale number/s of the oculars – compatible with frame/support structure (if pertinent)

Sequence of representation of the frame marking symbols

Marking	Type of pertinent use	Contexts for which the marked product provides protection
Without symbol	Basic use	Mechanical hazards not detailed and hazards deriving from exposure to ultra-violet rays, visible, infra-red and sun
3	Protection against liquids	Liquid spray or drops
4	Protection against large dust particles	Dust with particles larger than 5 microns
5	Protection against gas and fine dust particles	Gas, vapours, sprays, smoke and dust with particles under 5 microns
8	Protection against electric arc / short circuit	Electric arc due to short circuit in electric system
9	Protection against molten metals and hot solids	Sprays of molten metals and penetration of hot solids

Sequence of representation of ocular marking symbols

U	Scale number (for filters only)
	Identification of the manufacturer: Symbol U identifies Univet s.r.l.
	Optical class (with exception of covering shields): Symbol 1 or 2 or 3
	Symbol of mechanical strength: Depending on case S or F or B or A (where pertinent)
	Symbol of resistance to electric arc from short circuit: 8 (when applicable)
	Symbol of non-adherence of molten metal and resistance to penetration of hot solids: 9 (if performance is guaranteed)
	Symbol of resistance to surface damage caused by fine particles K (if performance is guaranteed)
	Symbol of resistance to fogging of oculars: N (if performance is guaranteed)
	Symbol of enhanced reflectance: R (if performance is guaranteed)
	Symbol of original/replacement ocular: O (original) □ replacement (optional)

MARKING OF PPE IN WHICH THE FRAME AND THE OCULAR ARE A SINGLE UNIT: complete ocular marking "-" of separation. EN166 reference and pertinent symbols for fields of use and impact level. IMPORT - COMPARATIVE MARKING IF OCULARS AND FRAME DO NOT BEAR THE SAME CODES WHETHER THESE ARE F, B, A OR FT, BT OR AT, the eye-protector is classified in the lower field of use.

MARKING OF OCULARS: the oculars are dimensioned and have a thickness of 3 mm and a scale number.

MARKING OF OCULARS: the oculars are dimensioned and have a thickness of 1.4 mm and a scale number.

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