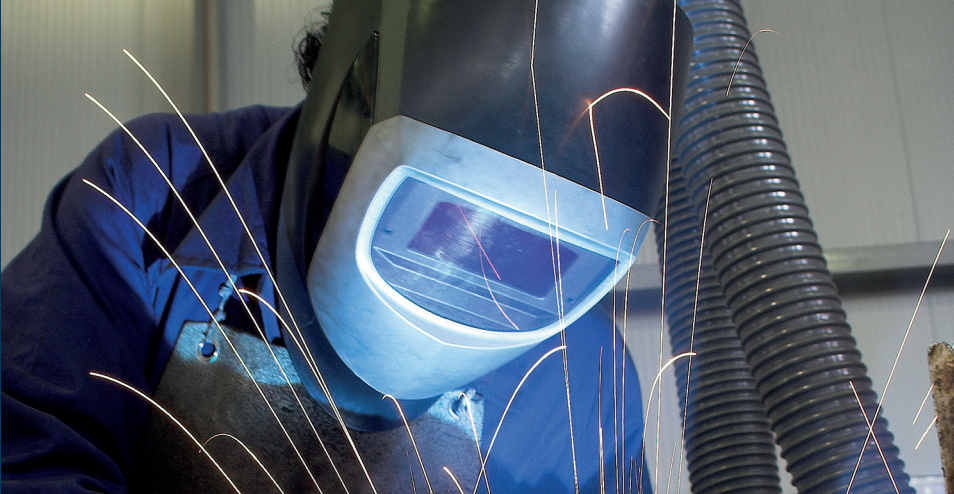


Eye & Face Protection



Buying Guide

Anti-mist? Anti-scratch? Does your eyewear reach the standard?

“K” and “N” are coating treatments that reach the standard set by EN166. It’s easy how to find out, you just look for the “K” (anti-scratch) and “N” (anti-mist) on the lens of your safety glasses, goggles and face shields.

By EN law all safety eyewear needs to be marked on the lens. If the lens doesn’t have “K” or “N” marked on, then they do not reach the required standard.

K = Anti-scratch treatment applied to the surface of the lens whose hardness is a barrier against superficial damages that can impair vision. The coating is permanent and it offers performance to the standards required by EN166

N = Anti-mist treatment, which, due to its chemical and physical abilities, prevents the formation of condensation by absorbing the humidity drops. The coating is permanent and it offers performance to the standards required by EN166

Safety Icons Key

We have developed a new range of safety icons and tables to help you compare and find the right eye protection.

Anti Scratch

Anti Mist

Anti Scratch K

Anti Mist N

Impact Protect

European Standards EN 166

To assist you in your understanding of markings on Eye Protection Products covered by this Standard you should note:

| Optical Standard: | | Frame | Lens | NB: The “A”, “B”, “F” and “S” markings on frame and lens represent tests carried out on each component and therefore may be different – in which case the lower level must be assigned to the complete unit when making an assessment. |
|--|--|-------|------|--|
| Class 1: | For continuous work | - | 1 | |
| Class 2: | For intermittent work | - | 2 | |
| Class 3: | For occasional work, but must not be worn continuously | - | 3 | |
| Mechanical Properties: | | | | |
| Increased Robustness (General Purpose) | | - | S | EN 169 Welding Filters |
| High Energy Impact (190m/sec) | | A | A | EN 170 Ultra-Violet Filters |
| Medium Energy Impact (120m/sec) Grade 1 | | B | B | EN 171 Infra-red Filters |
| Low Energy Impact (45m/sec) Grade 2 | | F | F | EN 172 Solar Protection Filters for Industrial Use |
| Increased Robustness – General Purpose Impact-Performance at Extremes of Temperature | | T | T | EN 175 Welding Work Equipment |
| Areas of Use: | | | | EN 207 Laser Protection Eyewear |
| Liquids (chemical) | | 3 | - | EN 208 Laser Adjustment Eyewear |
| Large Dust Particles | | 4 | - | |
| Gas and Fine Dust Particles | | 5 | - | |
| Short Circuit Electric Arc | | 8 | - | |
| Molten Metals and Hot Solids | | 9 | 9 | |
| Optional: | | | | |
| Resistance to Misting/Fogging | | - | N | |
| Resistance to Mechanical Damage (Anti-Scratch) | | - | K | |