EYE & FACE PROTECTION
Safety Standards Guide
To assist you in your understanding of markings on Eye Protection products covered by this standard you should note:

Optical Standard:  
Class 1: For continuous work  
Class 2: For intermittent work  
Class 3: For occasional work, but must not be worn continuously

Areas of Use:  
Liquids (chemical)  
Large Dust Particles  
Gas and Fine Dust Particles  
Short Circuit Electric Arc  
Molten Metals and Hot Solids

Mechanical Properties:
Increased Robustness (General Purpose)  
High Energy Impact (190m/sec)  
Medium Energy Impact (120m/sec) Grade 1  
Low Energy Impact (45m/sec) Grade 2  
Increased Robustness – General Purpose Impact-Performance at Extremes of Temperature

Optional:
Resistance to Mechanical Damage (Anti-Scratch)  
Resistance to Misting/Fogging

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. 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 should have these marks, so any lenses lacking the “K” or “N” symbols do not reach the required standard.

Safety Symbols Guide
We have developed a range of safety icons to help you compare and find the right eye protection.

Anti Scratch K
Anti Scratch
Anti Mist N
Anti Mist

EN 169 – Welding Filters  
EN 170 – Ultra-Violet Filters  
EN 171 – Infra-red Filters  
EN 172 – Solar Protection Filters for Industrial Use  
EN 175 – Welding Work Equipment  
EN 207 – Laser Protection Eyewear  
EN 208 – Laser Adjustment Eyewear

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