

# PRODUCT GUIDE

# PROTECTIVE EYEWEAR

The DEWALT range of eye protection has been designed purely with the user in mind. All eye protection combines the highest performing materials together with truly innovative technologies and lens coatings never before seen in protective spectacles.





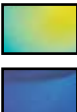
Years of knowledge and development have been combined in a DEWALT range that has resulted with style, fit and comfort as the key drivers to encourage the continual, uninterrupted use of this critical piece of safety equipment.

## EN STANDARDS

EN166, the Technical Performance Standard, is the core technical standard, dealing with the properties of an eye protector such as Optical Class, Mechanical Strength and Fields of Use. All DEWALT products comply with the EN166 standard.

Each DEWALT product carries a series of numbers and letters on the frame and lens. This indicates that the product has been subjected to a particular test within EN166 and is suitable for that purpose.

## LENS COLOURS

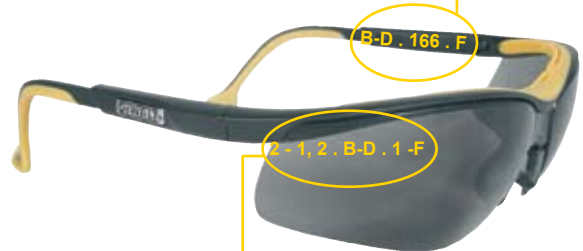
-  **CLEAR** : Allowing a maximum visible light transmission, this excellent safety lens is used for indoor applications where impact protection is required.
-  **SMOKE** : Worn on bright, sunny days, these lenses provide maximum glare reduction and are ideal for applications where eye strain is a major factor. They allow approximately 16% visible light transmission, show objects true to natural color and flatten light to maintain normal depth perception.
-  **INDOOR/OUTDOOR** : This light tint is a comfortable solution for moving from indoor or shaded locations to direct sunlight and back. I/O allows approximately 50% visible light transmission and diminishes glare to ease the eye's adjustment from inside to outside applications, reducing eye strain.
-  **AMBER** : Light gathering properties make this lens ideal for low light environments in which contrast is low; highlights and defines by blocking out much of the blue light and allows about 84% visible light transmission.
-  **MIRROR** : These dark tinted lenses with a reflective coating are great for outdoor applications where very bright sunlight and glare cause eye strain and fatigue. Available in Silver, Electric Blue, Blue, Electric Orange, Rose, and Black.

BS EN166 MARKING FOR SAFETY EYEWEAR	FRAME	LENS
<b>OPTICAL CLASS</b>		
Refractive Tolerance +0.006dio		1
Refractive Tolerance +0.12dio		2
Refractive Tolerance +0.12/-25dio		3
<b>MECHANICAL STRENGTH</b>		
Minimum Robustness (General Purpose)		
Increased Robustness (General Purpose)		S
Low Energy Impact (Grade 2 - 125ft/s)	F	F
Medium Energy Impact (Grade 1 - 360ft/s)	B	B
High Energy Impact (570ft/s)	A	A
<b>FIELD OF USE</b>		
Basic		
Liquids (Chemicals)	3	
Large Dust Particles (Dust)	4	
Gas and Fine Dust Particles (Gas)	5	
Short Circuit Electric Arc	8	
Molten Metals and Hot Solids	9	9
<b>OPTIONAL REQUIREMENTS</b>		
Resistance to Misting		N
Resistance to Surface Damage (Anti-Scratch)		K

All DEWALT prescription safety spectacles comply with EN166 European standard.

### Frame marking:

- B-D Identification of the manufacturer
- 166 EN 166 European standard
- F Mechanical resistance



### Lens marking:

- 2 Code number. Indicates the type of filter.
- 2: UV filtration
- 1,2 Shade. 1,2: Clear lens
- B-D Identification of the manufacturer
- 1 Optical class. 1: Permanent wear
- F Mechanical resistance.
- F: Low energy impact (45 m/s)
- B: Medium EN impact (120 m/s)



anti-fog coating



99.9% UVA & UVB protection



scratch resistant hardcoat