



# SAFETY GLASSES/GOGGLES

## INSTRUCTIONS



**IMPORTANT: Please read these instructions carefully to ensure safe and effective use of spectacles.**

### Frame Markings

The frame will usually be marked on the inside of one or both arms. All safety frames pass the European EN166 standard. Following EN166 will be numbers and/or letters which indicate to what degree the frames passed the EN166 test within various categories.

### Strength of the frame

- S – withstand impacts against small objects travelling up to 12 meters per second
- F – withstand impacts against small objects travelling up to 45 meters per second
- B – withstand impacts against small objects travelling up to 120 meters per second
- A – withstand impacts against small objects travelling up to 190 meters per second
- T – withstand impacts at extreme temperatures

A frame can have a combination of these markings.

If the F symbol is not the same for the lens and the frame, then the lowest level should be assigned to the complete eye protection.

### Lens markings

Following EN166 will be numbers and/or letters which indicate to what degree the lenses passed the EN166 test within various categories.

### Radiation protection

- 2 – UV Protection (EN170). The number 2 indicates the filter may effect colour recognition
- 2C or 3 – UV Protection (EN170). The number 2C (previously 3) indicates the filter allows good colour recognition
- 4 – Infrared Protection (EN171). i.e. protection from heat
- 5 – Solar Protection (EN172). i.e. 100% UV sun glare protection - with no infrared (IR) protection
- 6 – Solar Protection (EN172). i.e. 100% UV sun glare protection - with infrared (IR) protection

### Lens shading

- 1.2 – Allows more than 74.4% light transmission, but less than 100%
- 1.7 – Allows more than 43.2% light transmission, but less than 58.1%
- 2.5 – Allows more than 17.8% light transmission, but less than 29.1%
- 3.1 – Allows more than 8.0% light transmission, but less than 17.8%

### Strength of the lens

- F – withstand impacts against small objects travelling up to 45 meters per second
- B – withstand impacts against small objects travelling up to 120 meters per second
- A – withstand impacts against small objects travelling up to 190 meters per second
- T – withstand impacts at extreme temperatures
- EN167:2001 Personal Eye Protection – Optical Test Methods
- EN168:2001 Personal Eye Protection – Non-optical Test Methods

### Cleaning and disinfection

Product must be cleaned or disinfected with a product like soapy water, optical cleaning solution, or a solution very low in alcohol.

### Maintenance

Like all other protective products, the life depends on the type of use, care and maintenance. If your frame is damaged, replace the entire article. We recommend that spectacles and goggles are kept in a suitable case when not in use. In every case, the product must be replaced after a period of two years.

### Warning

Pitted scratched or damaged lenses must be replaced by original products. Under special circumstances, some people with extremely sensitive skin may suffer from allergies caused by some materials coming into contact with the skin. A protector worn over prescription spectacles can pass on the impact with a potential risk.

### Replacement lenses

Make sure that the spare lenses are identical to the lenses of origin.

### Transport

The protector must be transported in its packing of origin.

### Storage

Store between 5° to 40°C; humidity less than 90%.