



Aspherical Lenses



Liquid Splash Or Droplets



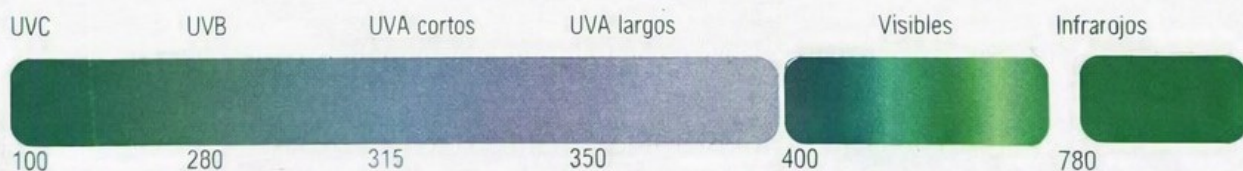
Dust



Rotating Tips

### ULTRAVIOLET PROTECTION

Exposure to high levels of light without proper safety eyewear protection can damage all layers of the cornea.  
Exposure to high levels of this light without proper safety eyewear protection can cause cataracts or damage to the lenses



### LIGHT TRANSMISSION

When light reaches the polycarbonate surface, the light transmittance effect occurs.

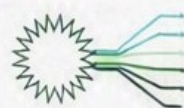
The higher the value, the more light penetrates the material.

A Clear lens allows maximum light transmission indoors where high brightness is needed. 95% of light passes through a Clear lens.

A Gray lens provides protection against bright light and glare. 25% of light passes through a Gray lens.

A Gray lens provides maximum light transmission indoors where high brightness is needed. 90% of light passes through a Gray lens.

An In-Out lens protects against bright light sources and has a high level of light transmission without altering or distorting colors. 35% to 45% of light passes through an In-Out lens.



Bright Sunny Conditions



Cloudy Conditions



Snowy Or High Altitude Conditions



Partly Cloudy Conditions



Hazy Conditions



Desert Conditions



SAFETYBOY PERSONAL PROTECTIVE EQUIPMENT CO.,LTD

www.safetyboy.cn



@SAFETYBOY



HEAD-TO-TOE PROTECTION

## Main Types of Eye and Face Protection

### Safety Spectacles

- Form: Can feature separate lenses in a metal/plastic frame (similar in appearance to prescription glasses), or a single lens/frame molded design.
- Design: Most include side-shields; can integrate corrective lenses, while "overglasses" can be worn over prescription eyewear.

### Safety Glasses Standards

- EN166: Applies to safety eyewear that protects against impact hazards from fast-moving particles.
- EN170: Applies to ultraviolet filters.
- EN172: Specified for glare filters and industrial eye-protectors.

### EN166 Markings

- 1: Specifies lens clarity (1 = best).
- F: Denotes impact protection (low-energy impact @ 45 metres per second).
- T: Indicates the frame can withstand impact at high/low temperatures.
- K: The lens has an anti-scratch coating.
- N: The lens has an anti-fogging coating.
- Placement: Typically marked on less visible areas of the lens (e.g., 1FTKN, 1FTK, 1FT).

### Goggles

- Structure: Made with a flexible plastic frame, 1-2 lenses, and a flexible plastic headband. The full rim contacts the face, providing all-around eye protection.
- Note: Some goggles are ventilated and may be unsuitable for protecting against fine dusts.

### Goggles-Related Standards/Markings

- N166: Applies to safety eyewear that protects against impact hazards from fast-moving particles.
- EN170: Applies to ultraviolet filters.
- Coatings: Can also have anti-mist/anti-scratch coatings.
- B: Denotes impact protection (low-energy impact @ 120 metres per second).

## Description

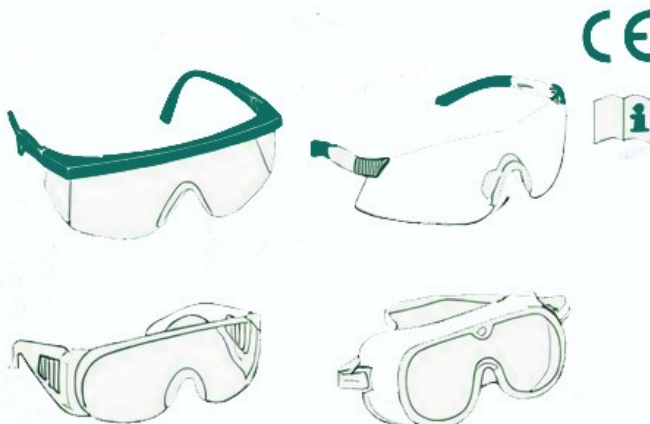
These Safety Glasses provide protection against splashes, particulates, ultraviolet rays and glare, and are suitable for construction, mining, milling, engineering workshops, factories, warehouses and general industrial applications.

Designed to be compatible with other personal protective equipment (such as industrial safety helmets, hearing protectors and half-face respirators) as well as prescription eyewear worn over them. Lightweight and easy to put on (can be handled with gloves), the lenses are made of impact-resistant, scratch-resistant and anti-fog polycarbonate material, ensuring a snug fit while enhancing product performance and wearing comfort.

## Special Instructions

- Non-compliance with all instructions and precautionary measures may result in personal injury.
- Individuals with pre-existing eye conditions or vision impairment must consult a registered physician before using this product.
- Any damage to this protective device can reduce visual clarity, which may lead to injury.
- If major defects are detected on the eyewear, the product must be replaced immediately. This eyewear is suitable for use only in accordance with the minimum safety markings indicated on the lenses and frame.
- Damaged lenses require immediate replacement of the eyewear.
- This product is designed for use in conjunction with other personal protective equipment (PPE).
- While the manufacturer has conducted strict quality control through production monitoring and inspection, users are required to thoroughly inspect the eyewear before each use to ensure there is no damage.

No materials or manufacturing processes used in this product are known to be harmful to the wearer. The information provided herein meets basic personal protective equipment (PPE) safety requirements and standards. However, since actual usage conditions cannot be fully simulated in a laboratory environment, the user assumes full responsibility for determining the suitability of this product for the intended application, rather than the manufacturer or supplier.



## Safety Glasses

Safety glasses are designed to provide protection while ensuring clear vision. Most products feature a wrap-around style, which reduces gaps between the glasses and the wearer's face, thereby lowering the risk of accidents.

## Goggles

Goggles offer a higher level of protection than safety glasses, meeting the B-level impact protection standard. They also provide defense against dust and liquid splashes.

## Inspection Frequency and Details

Prior to use the Safety Glasses should be free of any potential contaminants that can affect its intended performance. The goggle should be inspected by the user at the end of every use and then again prior to each use. Cracked eyewear must be removed from service as they will reduce eye protection and obstruct vision.

## Cleaning & Maintenance

This protective eyewear is designed for reusable use. Follow these steps for cleaning and care:

- Wipe the eyewear with a mild cleaning solution;
- Rinse off all residual cleaning solution thoroughly, then dry with a soft cloth;
- Finish by gently wiping the lenses with a soft, spectacle-specific cleaning cloth.

Note: Do not wipe the eyewear with clothing, and avoid using abrasive cleaners.

## Limitations of Use

These Safety Glasses should not be used for any athletic game, recreational activities, paintball or simulated water activities.

These goggles are not suitable to protect from chemical, biological, radiological, and nuclear (CBRN) agents.

## Recommendations and Restrictions

The use of this Safety Glasses is restricted to the scope and application as intended by EN 166:2001.

## Disposal

All industrial waste should be disposed of correctly according to local regulations and good disposal practice. Safety eyewear should be disposed of considering the hazardous substance they were used for or could be contaminated with. Please consider recycling.