

UV Safety Glasses - Statement of Protection Standards

All of our clear UV Safety glasses meet or exceed the following minimum safety standards:

UV protection: 99% absorption below 380 nm.

Lens material: Impact resistant polycarbonate, conforming to ANSI Z87.1

Our tinted lenses provide the minimum safety standards listed above plus the expanded visual spectrum benefits as follows:

Yellow For low light applications in which contrast may need to be enhanced. Absorbs 99% of UV radiation up to 410 nm

Amber/Orange Reduces eye fatigue by absorbing most of the visible violet and blue light spectrums. Enhances visual clarity during curing and inspection processes. Absorbs 99% of UV radiation and visible light up to 510nm. Orange is a secondary color comprised of red and yellow, so it provides some benefits from both colors.

Red Red is used to completely eliminate visible violet and visible blue. A red lens will block 99% up to 585nm. Red lenses are used in applications where red light contrast needs to be enhanced such as viewing a red security fluorescing mark, Also used for enhancing visual recognition of red lasers such as a laser level or laser price scanner. Red is also used as a safelight filter for film processing darkrooms.

Grey For applications where bright light and glare cause eye strain and fatigue. Absorbs 99% of UV radiation up to 410nm. Does not block or significantly modify color, permitting accurate RGB color perception/identification.

Green This is a secondary color comprised of the primaries yellow and blue. This combination provides the enhanced UV absorption of a yellow lens (99% up to 410nm), and also adds some near IR red light blocking. These properties make it a good choice for heat/thermal reduction, especially useful for full UV face shields.

Blue Blue will amplify blue light, making these good inspection glasses for blue fluorescing inspection applications. Because blue light is enhanced, the UV Filter properties are only as high as the clear lens standard (99% below 380nm). However as an added benefit, blue lenses are great for viewing yellow objects because they convert yellow light to green, making it much higher in visual contrast. Especially useful when viewing yellow print on white paper.