



# EYE PROTECTION

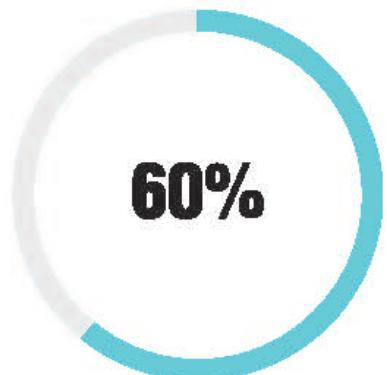
## WHY SHOULD YOU WEAR SAFETY EYEWEAR?

You should wear safety eyewear simply because they are the best defence against eye injuries. They protect your eyes from a myriad of potential hazards at work, home, and outdoors. In a comprehensive way, safety eyewear saves businesses and workers a tremendous amount of time and money. And if this evidence isn't convincing enough, the benefits also have a significant impact on overall, long-term eye health.

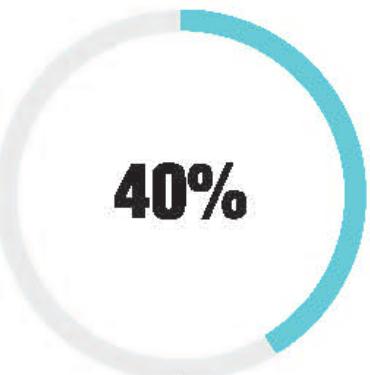
Safety eyewear is crucial in order to minimize the potential for eye injury by the provision and use of correct type of eye protection. It is the responsibility of all persons to wear the appropriate eye protection in a designated work place. The type of eye protection necessary in a specific workplace or for a specific process shall be in accordance with the nature of the risk.

**Eye Injuries that occur while not wearing eye protection in the workplace**

**Eye Injuries that occur while not wearing proper eye protection**



60%



40%

## THE BENEFITS OF SAFETY EYEWEAR GO BEYOND SAFETY

The choices in safety eyewear abound with various frame styles and lens colors. Safety eyewear exists for everyone from engineering to construction workers and welders. While they can prevent the majority of eye injuries, the benefits of safety eyewear go beyond protection from everyday hazards.

With the right lens choice, safety eyewear can enhance vision and help a person see clearly. Lens options ranging from anti-fog to a variety types of lens tints increase comfort and convenience for different type's environments & conditions.

Most safety eyewear shields eyes from the harmful rays from the sun. Today's polycarbonate lenses provide 99.9% protection from harmful UV-A and UV-B rays. This feature serves as a significant tool in the prevention of eye illness and disease caused by long-term exposure to the sun. Adverse effects of the sun on eyes include cataracts, macular degeneration, and benign eye growths. Ultraviolet awareness is a definite key concerning long-term eye health.

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## SAFETY SPECTACLES

Spectacles are eye protector designed to shield the wearer's eye from certain hazards. Spectacles in many cases may to be used alone. When face shields are required, safety eyewear or goggle is recommended to be worn in conjunction with the face shield.



## SAFETY GOGGLE

Goggles are eye protector intended to fit the face immediately surrounding the eyes in order to shield the eyes from variety of hazards. While goggles may be used alone, they may be used in conjunction with other protectors.

### HOW TO DECIDE WHAT EYE PROTECTION THAT IS RIGHT FOR WHAT JOB:

- Risk: Assess the potential risk and level of protection required.
- Special features: Think about the need for special features such as anti-scratch, anti-fog, suitable shades, and others.
- Climate: Will the wearer be exposed to climate variation and require anti-fog.
- Fit: Ensure a good fit.
- Comfort: Think about the length of wear time - this governs the level of user comfort required.
- Vision quality: Does the wearer need general or prescription lenses?
- Integration: Will safety glasses be worn with other PPE such as ear defenders and respirators.
- Style: What is the wearer's preferred style?

Choosing the right options assures that you will select the right safety eyewear for your particular situation. The right combination of options also makes consistently wearing safety eyewear more likely. After completing the assessment above, consider the following options available in safety eyewear.

#### • Lens Coatings

Lens coatings make eyewear more versatile and last longer. Some of the most common are anti-scratch and anti-fog. Be sure to choose anti-fog eyewear if varying temperatures and high humidity are regular concerns.

#### • Lens Tints

Every lens tint serves a particular purpose. Options range from clear lenses for normal working conditions to gray for partial sunlight in some indoor applications to photochromic lenses that darken in outdoor light. You can even get eyewear with interchangeable lens tints.

#### • Fit, Fashion, & Function

You are more likely to wear safety eyewear that fits properly, looks fashionable, and functions seamlessly. Achieving fit, fashion, and function involves choosing among options like wraparound or traditional frame styles and almost endless colors. Make sure you're comfortable.

#### • RX Options

People requiring prescription eyewear will have 3 solid options. First, prescription eyewear purchased from an optometrist. Second, Over-Prescription Safety Glasses that fits over regular prescription glasses. Over-Rx glasses even offer various lens tints and coatings. Third, Safety Glasses with Rx Inserts. These are filled with your prescription then installed behind the main lens of your chosen safety glasses.

## Prefer to have someone tell you what eyewear might work best?

Proguard professionals are happy to do that too. Proguard's range of general and prescription safety eyewear and accessories meet this need. It will protect the eyesight of your workplace and reduce risk of casualties in the workplace. Just contact us, and we will help you select the right protective eyewear to meet your needs and preferences. Accidents usually happen when least expected, so always think safety first.

### Application of eye-protector types for the various fields of use

	SYMBOL	According to EN 166 Clause	Type of eye protector			Testing According to EN 166 Clause	
			Spectacles	Goggles	Face-shields		
Basic use	No symbol	a	+	+	+	a	
Increased robustness	S	7.1.4.2	+	+	+	Clause 3.1/3.2 22mm ball at 5.1m/s	
Optional radiation	b	7.2.1	+	+	+	c	
	F	7.2.2	+	+	+	Clause 9 6mm ball at 45m/s	
High speed particles <sup>d</sup>	Medium Energy Impact	B	7.2.2	0	+	+	Clause 9 6mm ball at 120m/s
	High Energy Impact	A	7.2.2	0	0	+	Clause 9 6mm ball at 190m/s
Liquid droplets	3	7.2.4	0	+	0	12.1	
Liquid splashes	3	7.2.4	0	0	+	12.2	
Large dust particles	4	7.2.5	0	+	0	13	
Gas & fine dust particles	5	7.2.6	0	+	0	14	
Short circuit electric arc	8	7.2.7	0	0	+	e	
Molten metals & hot solids <sup>g</sup>	9 <sup>f</sup>	7.2.3	0	+	+	10 and 11	
High speed particles at extremes of temperature <sup>g</sup>	T	7.3.4	g	g	g	Clause 9	

### Key

- <sup>a</sup> Prohibited application.
- <sup>b</sup> For basic use, and all other fields of use, the basic requirements specified in 6.1 shall be satisfied.
- <sup>c</sup> The symbol for optical radiation consists of the scale number defined in clause 5 for the various types of filter (welding, ultraviolet, infrared or sun glare) and is marked on the ocular, if optical radiation is the only field of use which protection is required then the frame need only comply with the requirements for basic use. Goggle and face-shield housings, where applicable, shall be marked with the maximum compatible filter scale number.
- <sup>d</sup> See EN 169, EN 170, EN 171, EN 172, or EN 379 dependent on the type of filter.
- <sup>e</sup> If the symbols F, B and A are not common to both the ocular and the frame then it is the lower level which shall be assigned to the complete eye-protector.
- <sup>f</sup> For a face-shield to comply with field of use symbol 8 it shall be fitted with filter of scale number 2-1, or 3-1, and have a minimum thickness of 1.4mm.
- <sup>g</sup> For an eye-protector to comply with field of use symbol 9 both the frame and ocular shall be marked with this symbol together with one of the symbols F, B or A.
- <sup>h</sup> Symbol T is used in conjunction with either F, B or A to indicate that the eye-protector conforms to the high speed particle classification at extremes of temperature.

## CRUSADER SAFETY EYEWEAR



- Incredibly light, 29 grams.
- Sleek design with superior coverage.
- Unique lens styling gives maximum protection, safety durability, & comfort.
- Soft elastomer nose pad and non-slip grip for an individualized fit.
- Length adjustable temple.
- Lens Material: Polycarbonate.
- Frame Material: Nylon.
- Comply with ANSI Z87.1 & EN 166.

Packaging (for all CRUSADER models)

1 pair/polybag, 12 pairs/box, 25 boxes/carton



Crusader  
Clear Lens

Model:  
**CRUSADER-C**



Crusader  
Smoke Lens

Model:  
**CRUSADER-S**



**PROGUARD®**  
Your Ultimate Partner In Safety®



## RESPONDER SAFETY EYEWEAR



- Incredibly light, 27 grams.
- Sleek design with superior coverage.
- All around impact resistant.
- Popular design.
- Revolutionary dual 9.75 base curvature view.
- Wide temples provide same protection as large side shields.
- Lens Material: Polycarbonate.
- Temple Material: Polycarbonate.
- Comply with ANSI Z87.1 & EN 166.



PRO INFO!

- ✓ Anti-Scratch
- ✓ Anti-UV
- ✓ Anti-Fog
- ✓ Impact Resistant Lens

Responder  
Clear Lens

Model:  
**RESPONDER C**



Responder  
Smoke Lens

Model:  
**RESPONDER S**



Packaging (for all RESPONDER models)

1 pair/polybag, 12 pairs/box, 25 boxes/carton

