

Eye Protection

PORTWEST eye protection range includes spectacles, safety goggles and visors, designed to protect the eyes and face of the workers from injuries which may occur during working activities.

TECHNICAL SPECTACLES: High performance and cutting edge styles.

SPORT SPECTACLES: Light weight and modern design.

CLASSIC SPECTACLES: Essential PPE safety eyewear styles.



EN 166: 2001
Personal Eye Protection

European Standard, applying to all types of individual protection of the eye which protects from hazards likely to damage the eye, except for nuclear radiation, x-rays, laser emissions and infrared emitted by low-temperature sources. Does not apply to eye protection for which separate standards exist (e.g. anti-laser eye protection, sunglasses for general use).

EN 170: 2002
UV Rays Protection

European Standard for Ultraviolet Filters
Specifications of level numbers and of requirements relating to the transmittance of the filters for protection against ultraviolet radiation.

EN 172: 1995
Specification For Sunglare Filters Used In Personal Eye-Protection For Industrial Use

Specification of level numbers and requirements relating to the transmittance of filters for protection against solar radiation, industrial use.

EN 175: 1997
Welding Eyes and Face Protectors
European Standard for equipment for eye and face protection during welding and allied processes

Specifications for the safety requirements for eye and face protection equipment used to protect the operator's eyes and face against harmful optical radiation and other specific risks or hazards in usual welding, cutting or similar operations.

EN 169: 2002
Personal Eye Protection - Filters for Welding

European Standard for Filters for Welding and Related Techniques — Transmittance requirements and recommended use.

Specifications of level numbers and requirements relating to the transmittance of filters to protect operators for welding and related techniques. Specification of requirements for welding filters with double dial number of levels.

EN 1731 2006
Personal Eye Protection. Mesh Eye and Face Protector.

Material specifications, design, performance and test methods for eye and face mesh protectors, for professional use.

EN 379: 2009
Automatic Welding Filters

Harmonised European standard for automatic welding filters which switch their luminous transmittance to a lower predetermined value when an arc is ignited.



ANSI/ISEA Z87: 2015
American National Standard - Personal Eye and Face Protective Devices

This standard provides minimum general requirements, test method, selection, use and maintenance of eye and face protection devices.

2 levels of protection:
Z87 marking = "Basic Impact"
Z87+ marking = "High Impact"

EN 166 Markings

MANUFACTURER SYMBOL	Lens / Visor	Frame / Holder	Spectacles	Goggles	Visors
PW: Portwest	✓	✓	✓	✓	✓
OPTICAL CLASS					
1: Permanent wear (distortion free)			✓	✓	✓
2: Occasional wear	✓		✓	✓	✓
3: Brief wear			✓	✓	✓
MECHANICAL RESISTANCE					
S: Minimal impact resistance (5,1 m/sec)			✓	✓	✓
F: Low energy impact (45 m/sec)			✓	✓	✓
B: Medium energy impact (120 m/sec)	✓	✓		✓	✓
A: High energy impact (190 m/sec)				✓	✓
T: Impact test at extreme temperature (-5°C/+55°C) OPTIONAL			✓	✓	✓
CHEMICAL RISKS (OPTIONAL)					
3: Resistance to liquids droplets				✓	
3: Resistance to liquid splashes				✓	✓
4: Resistance to large dust particles (with > 5µm grain size)	✓	✓		✓	
5: Resistance to gases and fine dust particles (with < 5µm grain size)				✓	
ELECTRICAL RISKS (OPTIONAL)					
8: Short circuit ARC resistance		✓			✓
THERMAL RISKS (OPTIONAL)					
9: Molten metal splashes and hot solids projections		✓			✓
LENS TREATMENTS (OPTIONAL)					
K: Resistance to surface damage by fine particles (anti-scratch treatment)	✓		✓	✓	✓
N: Resistance to fogging of oculars (anti-fog treatment)			✓	✓	✓

NOTE: It is possible to have surface treatments which are not marked on the lens. These are non-certified treatments, which give the same protection to the lens for an extended period of use:

AS = K AS = Anti-Scratch treatment (corresponds to K);
AF = N AF = Anti-Fog treatment (corresponds to N).

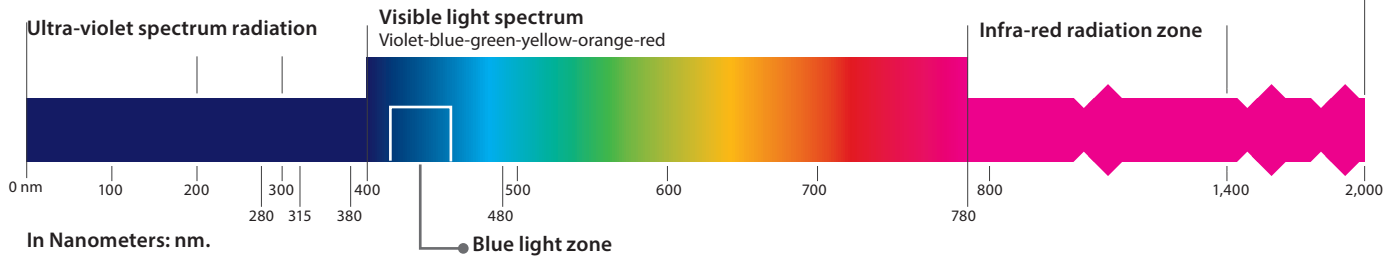
Lens Shade / Applications

- Clear:**
General purpose lens for use in good visibility conditions, especially indoor.
- Amber/Yellow:**
Enhanced contrast. Ideal for low light environments, artificially lit areas, foggy and cloudy weather.
- Smoke/Grey:**
Ideal for sunlight and outdoor.
- Polarized:**
Stops horizontal reflections, eliminating glare. Ideal for outdoor, driving and around water.

If the lens is also tested according to EN 170 (UV FILTERS) or EN 172 (SUN FILTERS FOR INDUSTRIAL USE) it is also marked with a code-scale nr. Example: clear lens (EN 170) are normally marked with 2C-1.2; Smoke lens (EN 172) are mostly marked with code-scale nr 5-3.1. These nr indicate the % of visible light which can pass through the lens, so how clear/smoke is the lens.

RISKS TO THE EYE FROM HARMFUL RADIATIONS

Zone	Wave Length	Environment	Eyesight damage
UV-A	215 - 380 nm	Outdoor work	Eye fatigue, Partial Blindness, Cataract, Sunshine
UV-B	280 - 315 nm	Sunlight, Industrial environment,	Cataract, Welder flash, Arc Flash
UV-C	100 - 280 nm	Industrial environment, Arc welding	Cornea or Crystalline Lesions, Loss of eyesight
Blue light	400 - 480 nm	Industrial environment Computer work, Outdoor work	Retinal lesions, Loss of eyesight, Blurring degeneration (age), Retinitis pigmentosis
Infra-red	780 - 1400 nm 1400 - 2000 nm	Electric welding, Molten work: glassmaking, steel production Micro-wave processes , Sunlight	Retinal lesions, Blurring degeneration (age), Retinitis pigmentosis Cornea or Crystalline Lesions



ACCESSORIES

Keep Your Lenses Clean and Safe



PA30 Spectacle Cord



Elasticated cord which adjusts to wearer's preference. Universal holder to fit a large variety of spectacles temples.

90% Nylon, 10% Rubber
Black 68cm

PA31 Spectacle Bag



Protective microfibre bag that can be used for cleaning and storage.

Microfibre
Black 10 x 20cm



PA01 Lens Cleaning Towelettes



Towelette Dispenser comes completely assembled and ready for use. Dispenser 5"x 8" holds 100 individually packaged lens cleaning towelettes.

100 towelettes per box



PA02 Lens Cleaning Station



Lens Cleaning Station provide instant access for all lens cleaning needs. Tissues are low-lint and non-abrasive. Good for use on plastic, glass and polycarbonate lenses.

237ml Anti-fog, Anti-static Solution and 600 tissues per box



EYE PROTECTION

Arms interchangeable with elastic head band (included)



Detachable foam back

PW11 Levo Spectacle

EN 166 1 F
ANSI/ISEA Z87



Levo spectacle's innovative concept offers the comfort of a safety spectacle with the fit and seal of a goggle. The back foam gives added brow and cheek protection. The arms can be interchanged with the adjustable head-strap for more fitted wear. Excellent ventilation through indirect vents in the back foam, which aids in preventing misting and fogging.

Polycarbonate
Clear, Smoke



NEW

Can be used with additional elastic head band (included)



Detachable foam back

PS11 Tech Look Plus

EN 166 1 FT
EN 170 2C-1.2 (CLEAR)
EN 172 5-3.1 (SMOKE)



Dielectric safety spectacles with metal free hinges features a tough and modern design with dual material on the side arms. The wide elastic band ensures an improved fit and can be easily combined with helmets and ear defenders. The removable EVA foam gasket allows extra comfort and offers additional protection against shocks and dust.

Polycarbonate, Nylon, EVA Foam
Clear, Smoke



NEW

Adjustable and Extendable Arms



Polarised Lens

PW18 Umbra Polarised Spectacle

EN 166 1 F
EN 172 5-3,1



This polarised safety spectacle eliminates all reflective glare that hits the lens, reducing eyestrain. The lenses provide 99% protection against UV light. Anti-slip rubber temple for added comfort. Adjustable and extendable arms.

Polycarbonate
Smoke



PS16 Tech Metal Spectacle

EN 166 1FT
EN 170 2C-1.2 (CLEAR)
EN 172 5-3.1 (SMOKE)



AS

The Tech Metal Spectacle is constructed with a metal frame and modern look and is suitable for a wide range of industries. It provides protection against high speed particles at extreme temperatures and is ultraviolet radiation resistance tested.



Metal Frame, Polycarbonate
 Clear, Smoke



NEW



NICKEL FREE

PW31 Contoured Safety Spectacle

EN 166 1F



300
12

An ultra light polycarbonate spectacle that moulds in to the facial features, providing brow protection and cheek guard. Fully adjustable temple length and a five point temple ratchet.



Polycarbonate
 Clear, Smoke



PW35 Safeguard Spectacle

EN 166 1F



300
12

The Safeguard Spectacle features a nylon frame with seven-position ratchet temples and adjustable arm length.



Polycarbonate
 Clear
 Mirror



PW13 Clear View Spectacle

EN 166 1F

EN 170 2C-1.2 (CLEAR)
EN 172 5-2.5 (SMOKE)



300
12

Tough looking wrap around, streamline design, excellent protective coverage and fitting. Ultra light and panoramic view.



Polycarbonate
 Clear, Smoke



NEW



PS05 Athens Sport Spectacle

EN 166 1 FT
EN 170 2C-1.2 (CLEAR)
EN 172 5-3.1 (SMOKE)



The Athens Sport Spectacle is designed with particular attention to user's morphology. Lightweight, strong and flexible, it's ideal for long use. This spectacle features contrasting soft tips for a modern sports look and improved anti-slip comfort.

Polycarbonate, TPR
Clear, Smoke



PS01 Avenger Safety Spectacle

EN 166 1 FT
EN 170 2C-1.2 (CLEAR)
EN 172 5-3.1 (SMOKE)



Strong, flexible, modern and stylish the Portwest Avenger Safety Spectacle is a premium safety product offering superior eye protection to the user.

A modern rubberised finish provides added comfort for the wearer, while flexible temples and adjustable soft nose clips ensures a perfect fit.

Polycarbonate
Clear, Smoke



PS04 Defender Safety Spectacle

EN 166 1 FT K N
EN 170 2C-1.2 (CLEAR)
EN 172 5-3.1 (SMOKE)



Sport style safety spectacles with upper frame only, for lightweight design. Adjustable soft nose bridge and pressure free fitting temples make this model a class leader in eye protection.

Polycarbonate
Clear, Smoke



PW14 Lite Safety Spectacles

EN 166 1 F
EN 170 2C-1.2 (CLEAR)
EN 172 5-2.5 (SMOKE)



Super lightweight and durable spectacle with a sleek design and 10 base curve lenses. Larger fitting size for a perfect custom fit.

Polycarbonate
Clear, Smoke



PS34 Neon Safety Spectacle

EN 166 1FT
EN 170 2C-1.2 (CLEAR)



Our Neon Safety Spectacle features contrast colour details and wrap around design with brow and side protection for increased protection and wide field vision. Lightweight with adjustable arm lengths (5 different lengths), the Neon Safety Spectacle has soft tips to offer optimised wearer comfort.

Polycarbonate, Nylon, TPR
 Clear

NEW



PW34 Profile Safety Spectacle

EN 166 1 F
ANSI/ISEA Z87



These frame-less safety glasses are designed for safety, comfort and style. Wrap around design with a moulded nose bridge and browguard.

Polycarbonate
 Amber, Clear, Smoke



PW36 Hi-Vis Spectacle

EN 166 1 F



The Hi-Vis Spectacle features a dual eight-base, wrap-around unilens for superior peripheral coverage and protection of the entire eye area. Lightweight and impact resistant, the polycarbonate lens is treated with anti-scratch and anti-fog coating. Adjustable leg length to improve fit.

Polycarbonate
 Clear

Adjustable arm length



PW37 Bold Pro Spectacle

EN 166 1 S



Dual lens with soft rubber nose bridge and temple grips in various colours.

Polycarbonate
 Clear Lens, Blue Temple, Clear Lens, Orange Temple, Clear Lens, Red Temple



PW17 Curvo Spectacle

EN 166 FT
EN 170 2C-1.2 (CLEAR)



This spectacle has a curved lens and essential sport look. Adjustable arms inclination for optimised fit and soft nose bridge for extra comfort.

Polycarbonate
 Clear

Adjustable arm length



EYE PROTECTION

NEW



Detachable foam back



PS32

Wrap Around Plus Spectacle

EN 166 1FT
EN 170 2C-1.2



Our best selling Wrap Around Spectacle is now available with additional edge protection, thanks to the removable gasket, which offers a super comfortable fit and optimal protection against dust and impacts. The lens are treated with anti-scratch and anti-fog coating for improved performances.

Polycarbonate
Clear

PW32

Wrap Around Spectacle

EN 166 1 FT
EN 170 2C-1.2
EN 172 5-3.1
ANSI/ISEA Z87



The best global seller featuring a simple but winning design with ultra-light and flexible arms, which are virtually indestructible. One-piece lens contour design and moulded nose-bridge, allows excellent fit to all face shapes. Unisex.

Polycarbonate
Clear Lens, Orange Hi-Vis Temple
Clear Lens, Clear Temple
Clear Lens, Black Temple
Smoke Lens, Black Temple



PW33

Classic Safety Eye Screen

EN 166 1 F
EN 170 2C-1.2
EN 172 5-3.1 (SMOKE)
ANSI/ISEA Z87 + (CLEAR) S (SMOKE)



Constructed using a single panoramic polycarbonate lens with moulded side-shields and browguard. This product also features adjustable arms, moulded nose bridge and contoured browguard.

Polycarbonate
Smoke Lens, Black Temple
Clear Lens, Blue Temple
Clear Lens, Black Temple
Amber Lens, Black Temple



Adjustable arm length

PS33

Safety Eye Screen Plus

EN 166 1 F
EN 170 C2-1.2



PS33 has adjustable arms, equipped with tips in contrast colour for a stylish look and optimised comfort. The lens with anti-scratch and anti fog treatments grants longevity to the spectacles.

Polycarbonate
Clear Lens, Blue Temple, Orange Tips



Adjustable arm length

PW30

Visitor Safety Spectacle

EN 166 1 F
EN 170 2C-1.2



Designed with a moulded-in brow guard and vented side shields, the PW30 offers excellent protection and comfort. Manufactured using tough impact resistant polycarbonate. Metal free.

Polycarbonate
Clear



PS30 Portwest Over-Spectacle

EN 166 1 FT
EN 170 2C-1.2



PS30 is an ultra-lightweight spectacle, designed to be worn over prescription glasses. Its wide panoramic lens with moulded side shields and brow guard offers a superior protection to the wearer. The adjustable and extendable arms ensure a comfortable and secure fitted.

Polycarbonate, Nylon
Clear Lens, Black Temple

NEW

Adjustable and Extendable Arms



PW38 Pan View Spectacle

EN 166 1 F
ANSI/ISEA Z87



These sleek and sporty style glasses are designed for safety and comfort. The Pan View features lightweight construction and soft touch temples. The single wrap-around lens offers protection from the sides and front.

Polycarbonate
Smoke Lens, Orange Temple
Smoke Lens, Black Temple
Clear Lens, Black Temple
Clear Lens, Orange Temple



PW39 Lucent Spectacle

EN 166 1 F



Expertly designed lightweight spectacle with outstanding optical quality. The one-piece curved lens offers unobstructed vision and the comfortable nose bridge allows for extended use.

Polycarbonate
Clear, Smoke



PW15 Fossa Spectacle

EN 166 1 F
ANSI/ISEA Z87



Fossa safety spectacle provides wrap around coverage for a panoramic view, thanks to the excellent polycarbonate quality. Stylish rubber tip temples and a mono-lens ensures these glasses fits all face shapes.

Polycarbonate
Clear, Smoke



PW10 Vultus Spectacle

EN 166 1 F



These stylish wrap around safety glasses offer extreme coverage, with brow guard and side shields.

Polycarbonate
Clear



Soft seal protects against dust, splashes and impact



PW26 Slim Safety Goggle

EN 1661B 3 4
EN 170 2C-1.2



Extremely lightweight premium goggle. Manufactured from a high tech material, combining hard and soft components to ensure a perfect fit. Wrap around design and effective seal around the eyes.

Polycarbonate
 Clear

Can be worn over prescription glasses and dust masks



PW25 Ultra Vista Goggle Unvented

EN 166 1 BT 3 4 5 KN
EN 170 2C-1.2



Non-vented premium level goggle. Excellent protection against large dust particles, fine dust particles, gas and liquid splashes. Excelled when tested for high impact resistance and extreme temperatures (ranging from -5°C to +55°C). Can be worn with prescription glasses.

Compatible with the PW23 shield, increasing the level of face protection for the wearer.

Polycarbonate
 Clear

Can be worn over prescription glasses and dust masks



PW24 Ultra Vista Goggle

EN 166 1 BT 3
EN 170 2C-1.2



Excellent fitting goggle with panoramic field of vision. Superior protection against harmful splashes and large dust particles. Compatible with PW23 goggle shield, increasing the level of face protection for the wearer.

Polycarbonate
 Clear



Compatible with PW24 and PW25

PW23 Ultra Vista Shield

EN 166 BT



This visor is for combination use with goggles. It is designed to increase the protection of the whole face. High velocity impact resistance grades even at extreme temperatures. Compatible with PW24 and PW25 goggles only.

Polycarbonate
 Clear



PW22 Challenger Goggle

EN 166 1B
EN 170 2C-1.2
ANSI/ISEA Z87



AS

AF



Wide panoramic UV protective lens treated with anti scratch and anti fog coating, for long-lasting performance. The special shape of the lens allow it to be worn with prescription glasses and disposable dust masks. Improved design with a larger elastic band for optimized comfort. Indirect ventilation.

Polycarbonate
 Clear

IMPROVED



PS21 Portwest Chemical Goggle

EN 166 1 F N 3



AS

N



PS21 is an indirect ventilation goggle with acetate lens material, suitable for chemical use. Superior anti-fog treatment (marked N on the lens) and ultra soft frame ensure a comfortable wear for long working days.

Cellulose Acetate, PVC, PP
 Clear

NEW



PW21 Indirect Vent Goggle

EN 166 1B 3
ANSI/ISEA Z87



Designed to be worn in a tough work environment, this goggle is fitted with a flexible PVC frame for ultra light and comfortable wear. Indirect Ventilation.

Polycarbonate
 Clear



PW20 Direct Vent Goggle

EN 166 1 B
ANSI/ISEA Z87 +



Designed to be worn in a tough work environment, this goggle is fitted with a flexible PVC frame for ultra light and comfortable wear. Direct Ventilation.

Polycarbonate
 Clear



NEW**PS91 Arc Flash Visor Class 2**

EN 166 1 B 8 3
 EN 170 2C-1.4
 GS-ET-29 CLASS 2 8-2-1
 ASTM F2178 12 CAL / CM²
 NFPA® 70E PPE CATEGORY



PS91 Arc Flash Visor Class 2 is arc protection Class 2 and VLT Class 1 product. It exceeds the highest arc flash protection according to GS-ET-29 and E DIN 58118 and is designed to maximise colour perception and visible light transmittance. It has a universal slot adapter for hard hats, a large permanently attached chin protector and a light green moulded injected visor with anti-fog coating. Recommended to be used only on hard hats approved for arc flash protection.



Polycarbonate
 Green One Size



Protects Against Electric Arc Flash

NEW**PS90 Arc Flash Visor Class 1**

EN 166 1 B 8 3
 EN 170 2C-1.2
 GS-ET-29 CLASS 1 8-1-0



PS90 is classified as Arc Protection Class 1 and VLT Class 0 product as per GS-ET-29 and E DIN 58118. It provides the maximum light transmittance and improved colour recognition as per EN 170. This visor consists of a face shield with a bracket for slotted caps. It is compatible with all Portwest hard hats but recommended to be used on hard hats approved for arc flash protection at the maximum expected level.



Polycarbonate
 Clear One Size



FR55 162





SNR
28dB

H: 32 dB
M: 24 dB
L: 17 dB

PW90 PPE Protection Kit

EN 352-1
EN 166 1 B / 3 B



An ideal solution for face and hearing protection (PW48) where no helmet is required. It protects against particle impact, liquid splashes and dangerous noise. Spare parts available.



Polycarbonate, Polypropylene, ABS
 Yellow



PW58 Helmet Visor Carrier

EN 166
EN 1731



Our visor holder is compatible with helmet styles PW50, PW51 and PW57. Versatile and safe, this is a great addition to the PW Safety range. Compatible with Replacement Visor PW92/ PW94 / PW99.



Polyoxymethylene
 Black



PS58 Helmet Visor Holder

EN 166
EN 1731 F



Visor holder with universal slot european size (30mm), the PS58 can be used on helmet models PS53/PS54/PW54/PS55/PW55/PW97/PV50/PV54/PV60/PV64. It allows stand-off position and can combine the simultaneous wear of a visor and clip-on ear-muffs. Compatible with replacement visors PW92/ PW94/PW99.

ABS
 Black



PW91 Browguard with Clear Visor

EN 166 1 B / 3 B



PC visor with PP browguard manufactured from impact resistant polypropylene. The wheel ratchet adjustment system is designed for easy use. Replacement visor available (PW92).

Polycarbonate
 Clear
Visor size: 20 X 40cm



PW93 Browguard with Mesh Visor

EN 1731 F
EN 166 F



Mesh visor with PP browguard, suitable for protection against large high-speed particles. The ratchet adjustment system is designed for easy use. Replacement visor available (PW94).

Galvanised Carbon Steel, Polypropylene
 Black
Visor size: 20 X 40cm



PW96 Face Shield Plus

EN 166 1 BT 3 9
ANSI/ISEA Z87



This face shield protects against molten metal splashes and hot solid projections. Superior front and side face protection. Ratchet adjustment for comfort fit. Replacement visor available (PW99).

Polycarbonate, Aluminium
 Clear
Visor size: 20 X 40cm



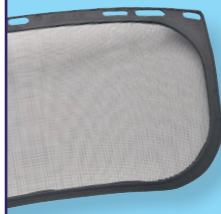
PW92

Replacement Clear Visor

EN 166 1 B

Replacement visor for PW90 and PW91. It also fits PW58.

Polycarbonate
 Clear
Visor size:
20 X 40cm



PW94

Replacement Mesh Visor

EN 1731 F

Replacement visor for PW93. It also fits PW58.

Galvanised Carbon Steel, Polypropylene
 Black
Visor size:
20 X 40cm



PW99

Replacement Shield Plus Visor

EN 166 1 BT 3 9
ANSI/ISEA Z87

Replacement visor for PW96. It also fits PW58.

Polycarbonate, Aluminium
 Clear
Visor size:
20 X 40cm

