

uvex



WEARABILITY

The key to safety eyewear
compliance

protecting people

uvex-safety.co.uk

The importance of protection

Workplace eye injuries



90% of eye injuries could be avoided by wearing the proper eye protection



Eyes are one of the most important but also the most vulnerable parts of the body. Roughly 80% of our sensory impressions are registered through our eyes which can absorb 10 million pieces of information per second - which are processed by our brain and translate into action and response. But our eyes are vulnerable to injury as well as the aging process - deserving of the best protection.



Despite the availability of high-quality safety eyewear, the frequency of incidents directly affecting the eyes and eyesight, is alarmingly high. The evidence indicates that this is largely due to inappropriate safety eyewear being used or that eyewear is not being worn at all. Both causes are avoidable.



Eye injuries sustained in the workplace can be caused by a multitude of factors including the ingress of airborne materials, chemical splashes, direct impact from any number of materials, or from the environment, (namely ultraviolet light and glare).



The combination of a wide range of tasks carried out in diverse workplace environments creates the potential for multiple risks, which, if possible, should be 'engineered out', but where this is not the case, job specific risk assessments should define the type of safety eyewear to be worn.

Contents

| | |
|--|----|
| » WEARABILITY defined | 4 |
| » Fit | 6 |
| Fit guide | 8 |
| » Comfort | 10 |
| What features enhance comfort | 11 |
| » Performance | 12 |
| Coating expertise | 14 |
| Lens quality, clarity and uvex's expertise | 15 |
| uvex core and special coatings | 18 |
| UV400 | 20 |
| Going the extra mile | 21 |
| Comparing EN SO 16321 and EN 166 | 22 |
| Markings on lenses EN 166 | 24 |
| Markings on lenses EN SO 16321 | 25 |
| uvex lens tints | 26 |
| uvex CBR 23 | 28 |
| uvex CBR 65 | 29 |
| The real cost of eyewear | 30 |
| » Style | 32 |
| uvex eyewear styles | 34 |
| Caring for your safety eyewear | 48 |
| Accessories | 49 |
| Prescription safety eyewear | 50 |

WEARABILITY

The key to safety eyewear compliance



WEARABILITY Defined

At uvex, we know only the best PPE remains worn throughout the day - which is why we design **WEARABILITY** into every piece of eyewear we make.

WEARABILITY equals compliance. It's PPE that doesn't get in the way, allowing you to focus on the task at hand. Ultimately, it's the perfect balance of four main factors: **Fit, Comfort, Performance and Style**

» Proper Fit

One size doesn't fit all

It may seem obvious, but proper-fitting eyewear that has been selected for the individual, their workplace and takes into account compatibility with other PPE can help avoid accidents, reduce discomfort, increase productivity and give wearers confidence. uvex offers a range of products and sizes to ensure everyone can achieve a good fit.



» All Day Comfort

With proper fit comes comfort

Safety eyewear needs to not only protect against workplace hazards, it should be pressure-free, lightweight, breathable and not slip. Products designed to take into consideration body heat, sweat and adaptability all have a bearing on a person's comfort. It's only when PPE fits well and is comfortable that it remains worn throughout the day.



» **UVEX WEARABILITY**

= compliance = reduced accidents = people go home in one piece.

90%

» of eye injuries could have been avoided if workers were either wearing safety eyewear or suitable eyewear

Source - Manchester Royal Eye Hospital

» **Product Performance**


From design to delivery – we do it all in-house



In addition to fulfilling the required safety standards, our in-house experts own the entire value chain, from raw materials to finished products and carefully consider materials, manufacturing processes and product features to enhance the wearer experience. The performance of the frame, lens and coating technology is central to uvex **WEARABILITY**, giving wearers the confidence to go about their day injury-free.

» **Modern Style**

We all want to look and feel good



Eyewear that is high performing, comfortable and stylish makes wearing PPE effortless. As a result, safety eyewear is more likely to remain where it should throughout the day and employees will remain compliant.

uvex

40%

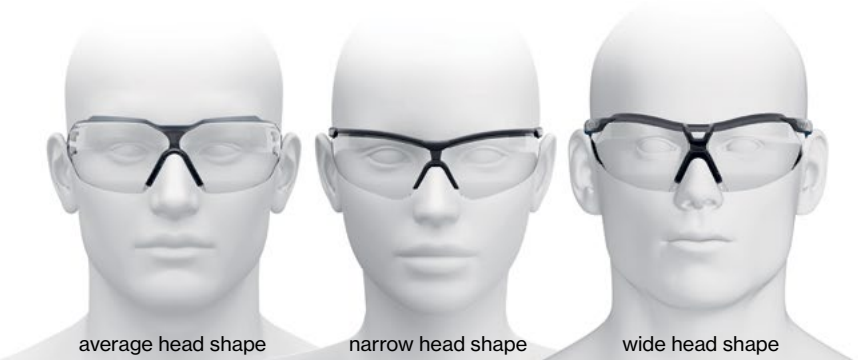
» of work-related eye injuries
are due to unsuitable,
ill-fitting or badly damaged
eye protection

Source - Manchester
Royal Eye Hospital

» Fit

Fit

The best safety eyewear is the one that fits you best



average head shape

narrow head shape

wide head shape

Simply wearing any old pair of safety eyewear isn't enough to protect your eyes. Undoubtedly it decreases the possibility of an injury, however, inadequate, poorly fitted safety eyewear could put those wearing it at greater risk due to it being a distraction from workplace hazards.

The first and most vital thing to remember is that **one size does not fit all**. What suits one person, may not suit another. It may seem obvious, but correctly sized PPE can help avoid accidents, reduce discomfort and increase productivity.

Head and facial shapes all differ, which is why uvex offers a wide range of styles and designs. In addition to the style, fit is largely determined by the level of adaptability. The combination of adjustable hard and soft components enable wearers to achieve the ultimate close fit, keeping dirt, debris and mechanical hazards out. Wearers should be able to find a position that ensures good coverage and protection while allowing them to work comfortably, confidently and without distraction.

Our innovative features help wearers achieve an effective, comfortable fit:

- Integrated brow guards
- Soft, flexible, non-slip nose loops for even weight distribution
- Breathable indirect ventilation
- Adaptive, soft-grip side arms for a non-slip fit
- Adaptive elements for pressure-prone areas
- Adjustable head strap
- Non-allergenic soft TPE seal forms to face
- uvex pheos s 138mm
- uvex pheos cx2 142mm
- uvex pheos nxt 144.5mm
- uvex pheos 146mm
- Range of frame sizes
- Foam gasket for multi-application use
- Dual-injection moulded components

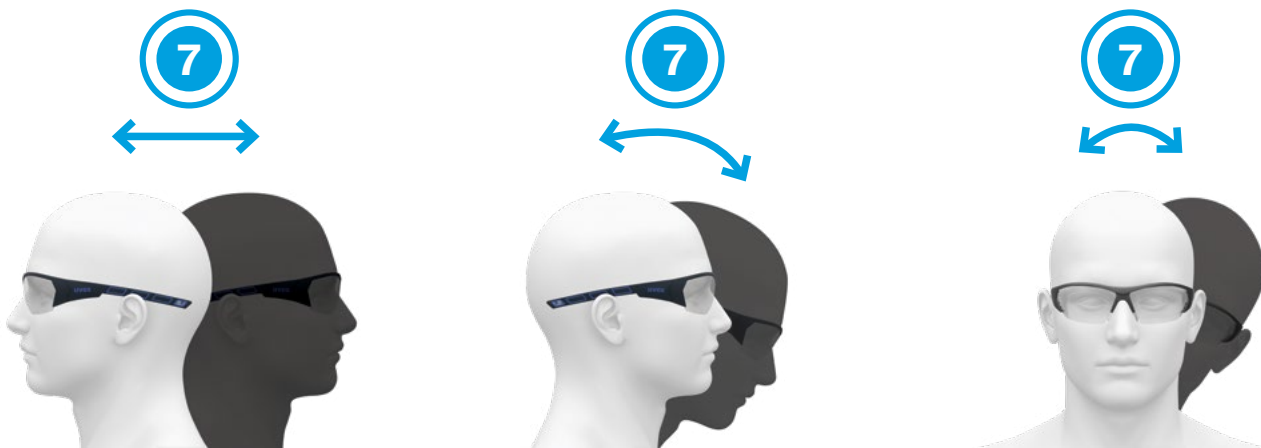
Fit Guide

The best safety eyewear is the one that fits best

uvex has devised a highly successful fit programme that ensures even your hardest to satisfy employee can find a safety spectacle or goggle that best suits them. Our highly knowledgeable team of experts work alongside you and your employees to ensure they find something that really fits them. Our approach takes into account the employee's features, work environment and personal requirements e.g. compatibility with other PPE.

By involving the employee in the selection process, this not only ensures a proper fit - crucial for the wearer's safety – but it also increases the likelihood of that eyewear remaining worn throughout the day.

»» Here are a few simple steps for ensuring a proper fit:



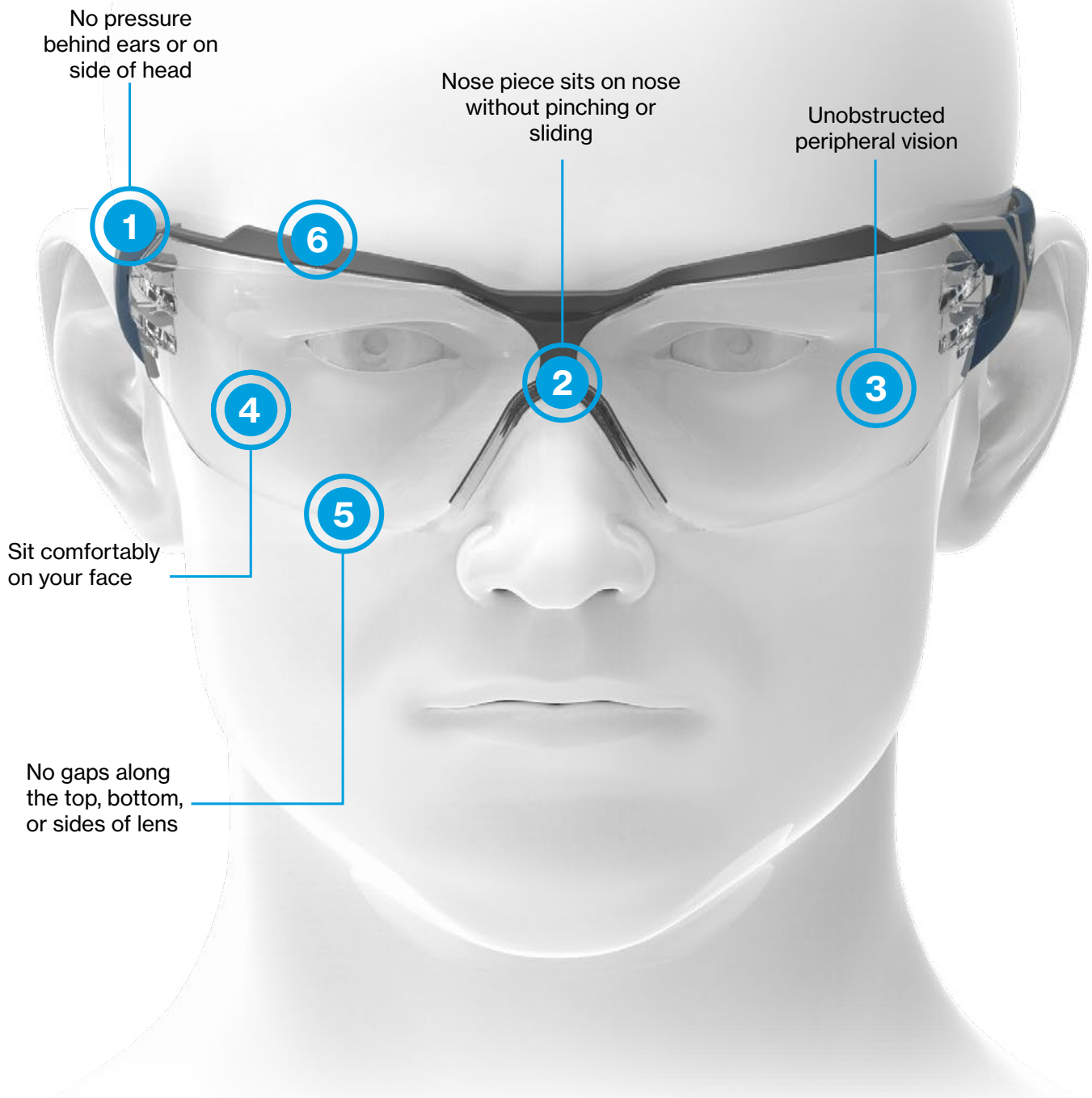
- | | |
|----|--|
| 1. | There should be no uncomfortable pressure points on the side of the head or behind the ears. |
| 2. | The nose piece should be comfortable and contacting your nose without pinching. |
| 3. | You should be able to see in all directions without major obstruction. |
| 4. | The overall weight of your safety eyewear should be evenly distributed between your ears and nose. The frame should sit comfortably on your face without distracting you from tasks. |
| 5. | Frames should fit close to the face without your eyelashes hitting the lens. The space around the frame and your face should be less than a pencil width. Gaps of less than or equal to 6-8mm are preferred. |
| 6. | Lenses should cover the eyebrow, eye socket and any soft tissue around it. |
| 7. | Eyewear should stay in place when you move your head front-to-back and side-to-side. |



» Did you know **2,500 people** injure their eyes at work each year in the UK?

Don't become a statistic - it's all about proper **WEARABILITY**.

» **Look out for:**



uvex



»» **Comfort**

Comfort

Innovative features for improved comfort and protection



Fit and comfort go hand in hand. Eyewear should deliver a low-pressure, lightweight fit with even weight distribution.

Thanks to uvex's German-engineered dual-injection mould technology, hard and soft components can be combined within frames enabling them to flex. As a result, wearers can achieve a more tailored fit which is comfortable, long-lasting and ensures the eyewear stays put.

Safety eyewear needs to be comfortable, with no pressure points on the nose bridge, against the sides of the head, or behind the ears. Frames that combine a number of key features ensure eyewear stays worn all day. Eyewear should take into account:



» **Effective ventilation**

Ventilation increases airflow and doesn't necessarily mean dust and debris will get it. Our cleverly designed ventilation system helps to reduce misting and ensures the climate around the eyes is pleasant and non-drying.



» **Injection moulded technology**

uvex's technique of combining injection moulded hard and soft materials around the brow, nose and within the side arms, allows products to adapt to the wearer's facial features. This not only increases comfort, it ensures correct fit and helps keep eyewear in place to deliver the intended level of protection.



» **Less weight = more comfort**

Developing frames with a low weight enhances wearer comfort by reducing additional stress on the body. As a result, uvex safety eyewear can be worn for long periods without fatigue.



» **Size matters**

If protective eyewear doesn't fit properly this is not only frustrating, but it can lead to discomfort, eye strain and could increase the risk of injury. Our range of safety eyewear includes designs that adapt to the face delivering absolute consistency of protection and performance levels.

uvex

» Performance

Performance and Innovation

The highest-quality safety eyewear in the industry

MADE IN GERMANY 

» Driven by 99 years of German expertise, from product design to coating technology and frame manufacturing, you'll experience a purpose-driven safety product unlike any other eyewear on the market – helping employees to stay comfortable, confident and able to focus on their job, not on their eyewear.

The performance of our safety eyewear is defined by our:

- > unique lens coating technology and application process
- > lens quality and UV protection
- > extensive range of tints, and
- > premium components

Coating Expertise

Coating technology explained



Hydrophilic vs. Hydrophobic

For fundamentally different coatings that outperform anything on the market while maintaining their performance over time, uvex's proven anti-fog technology absorbs moisture droplets as they hit the lens, eliminating fog. This moisture absorbing process is known as hydrophilic and is found in all uvex's anti-fog coatings.



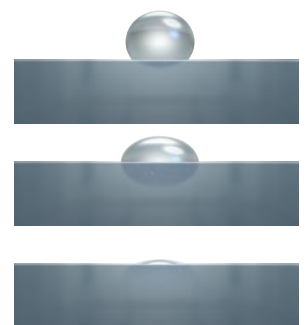
Taking this process one step further, uvex uses specialised dual-action **hydrophilic** coatings for extreme applications that cause moisture to spread on the lens and then absorb, eliminating fog permanently.

Traditional coatings in the safety eyewear market use **hydrophobic** technology, which are **soap-based** and work by repelling moisture, spreading the droplets across the lens. This ultimately leads to a build-up of fog on the lens, which requires cleaning to remove it. Although effective for a short period, hydrophobic anti-fog coatings are detergent based and **wash off over time**, rendering the eyewear unusable. As soon as lens coating performance diminishes, employees try to compensate, compliance drops and eyewear is treated as disposable.

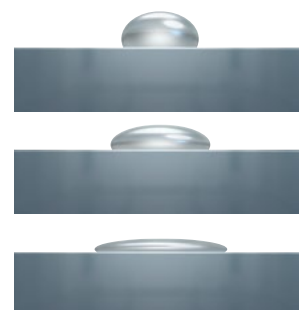
Lens coatings can be either:

- **Hydrophobic** (moisture repelling) detergent-based coatings (which can be washed off) or
- **Hydrophilic** (moisture absorbing - uvex's solution).

Unlike hydrophobic coatings, **hydrophilic** coatings act like a sponge and absorb the moisture into the lens. The coating can hold a high amount of moisture and releases it at the edge of the lens. **Hydrophilic** coatings are **not soap-based** making them **permanent** (they can't be washed off).



With hydrophilic coatings, moisture is absorbed into the coating, eliminating fog.



With hydrophobic coatings, moisture is spread across the lens.



Knowing and understanding the standard

Did you know the tests conducted for anti-fog coating performance requiring antifog coatings to perform for a minimum of 8 seconds on first use are **optional** tests for manufacturers?

This does not reflect the rigors of real life and where many coatings fail is in the longevity of the anti-fog performance.

Lens Coating Quality

Perfect vision for maximum safety

The quality of the lens coating is a crucial element of safety eyewear

Looking through lenses that are fogged up, scratched or dirty significantly increases the risk of accidents during the work day. uvex has been synonymous with pioneering coating technologies for decades. In our centre of expertise in Fürth, Germany, we develop and produce innovative lenses and coatings for a multitude of applications.

There are 3 core elements that make uvex coating performance superior:

»» Coating chemistry

We have formulated our own coating chemistry which is the cornerstone to uvex's coating performance success.

»» Unique flow coating process

Our manufacturing process makes the difference. Unlike conventional dip coating processes, the unique uvex process applies different coatings to either side of the lens allowing each to optimally perform.

»» UV curing process

Once the coating has been applied, we finalise the process by curing the coating onto the lens creating a bond for sustained performance for the lifetime of the lens.

2 sides of the lens. 2 different requirements.



It's important to recognise that eyewear should fit close to the head, keeping dirt and debris out. However, this can trap body heat, especially during physical exertion which can cause moisture build-up and lenses to fog.

More often than not, wearers of safety eyewear need an anti-fog coating on the inside of the lens, and a durable scratch-resistant coating on the outside. This is where uvex's unique coating chemistry and flow coating process sets it apart from other manufacturers and highlights why, not all coatings are created equal.

Other brands of safety eyewear use a traditional dip-coating process using a hydrophobic soap-based formula, applying the exact same coating to both sides of the lens. This process will inevitably compromise the performance of one property over the other. Invariably scratch-resistance is limited, and regular cleaning of the safety eyewear completely removes the anti-fog performance over time.



Protection where you need it the most

With the uvex flow coating process, lenses are coated one side at a time.

This allows uvex to control the consistency and thickness of the coating and deliver unique and separate protection on either side of the lens.

This means we can offer a variety of protection options in different combinations for the front and the back of the lens, not just a single coating. This ensures the optimal coating performance, based on the workplace environment.

Perfect performance, wherever you work?

The performance and durability of uvex eyewear coatings last for the life of the product. The outside of the lens, which is prone to getting scratched and becoming dirty, benefits from a resilient, easy-to clean, scratch-resistant coating.

The coating for the inside of the lens, meanwhile, has a long-lasting anti-fog effect, which remains permanently on the lens thanks to the UV curing process timed to the millisecond - where it stays put with no drop in performance, even after repeated cleaning.



Lens Expertise

Perfect vision for maximum safety



Flawless lens optical quality reduces eye strain, fatigue and headaches (optical class 1). Lenses with excellent

optical quality are free of aberrations and imperfections - allowing the wearer to see using as close to natural vision as possible. Low-quality safety eyewear can result in poor optical clarity, one of the biggest contributing factors in eye fatigue, due to tiny distortions in the lens. Even the slightest inconsistency on the periphery can result in eyes working harder to correct or overcome these imperfections in the form of hundreds, if not thousands, of micromovements.

Over the course of an 8 hour shift, the hidden danger of fatigue will show in terms of:



Compromised vision

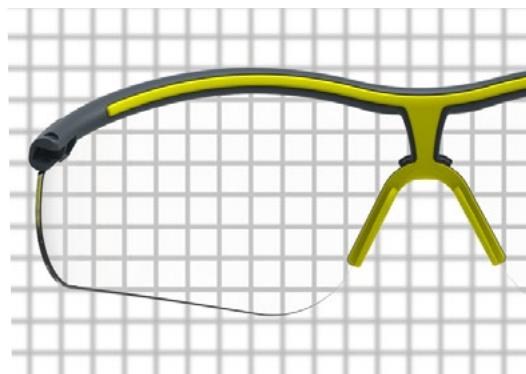


Eye strain

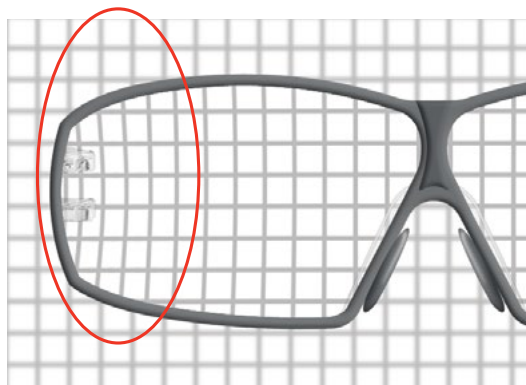


Headaches

which could lead to a potential injury.



uvex lenses (distortion-free)



Competitor lenses (distorted view at lens edge)

uvex prides itself on its edge-to-edge optical clarity. All lenses are manufactured in-house with 100% visual inspection throughout the production process to ensure that any deviation in optical quality can be immediately corrected.

uvex cleanability

The permanency of uvex anti-fog coatings which results in them outperforming and outlasting the toughest competitors even after countless cleans, is in part due to the use of uvex nanotechnology.

uvex nanotechnology, used to create the smoothest possible lens surface, makes lenses easier to clean and also helps reduce the amount of dirt and debris that collects on the lens surface.

Coating Expertise

Core Coatings

uvex has developed 3 core lens coatings and several special coatings each with their own formula. The flow process used to apply the coating allows different coating combinations to be applied, making them application-specific for maximum effectiveness.

uvex supravision sapphire

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| △△△△ | Anti-fog | △△△△ |
| ▲▲▲▲ | Scratch-resistance | ▲▲▲▲ |



- Extremely scratch-resistant and chemical-resistant on both sides
- Non-stick technology making eyewear easier to clean
- For challenging, dirty and/or dusty workplaces

uvex supravision excellence

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| ▲▲▲▲ | Anti-fog | △△△△ |
| ▲▲▲△ | Scratch-resistance | ▲▲▲▲ |



- Unique dual-action permanent anti-fog coating on the interior of the lens and a scratch-resistant hard coating on the exterior. This allows each coating to perform at maximum efficiency.
- Extremely scratch-resistant and chemical-resistant on the outside of the lens with non-stick, easy to clean technology
- Long lasting anti-fog performance on the inside
- Anti-fog performance will not diminish even after repeated cleaning
- Suitable for a wide range of workplaces

uvex supravision plus

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| ▲▲▲▲ | Anti-fog | ▲▲▲▲ |
| ▲▲▲△ | Scratch-resistance | ▲▲▲△ |



- Long lasting anti-fog performance and scratch-resistance on both sides
- Anti-fog performance will not diminish even after repeated cleaning
- Suitable for environments where there is high humidity and/or frequent temperature fluctuations



Coating Expertise

Special Coatings



uvex supravision extreme

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| ▲▲▲▲ | Anti-fog | △△△△ |
| ▲▲▲▲ | Scratch-resistance | ▲▲▲▲ |

Interior:

- durable, permanent anti-fog performance
- coating forms a thin veil of water without impairing vision

Exterior:

- extremely scratch-resistant, chemical-resistant and easy to clean

Areas of application:

- prolonged exposure to high risk of fogging and dirt

uvex supravision ETC (extreme temperature conditions)

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| ▲▲▲▲ | Anti-fog | ▲▲▲▲ |
| ▲▲▲▲ | Scratch-resistance | ▲▲▲▲ |

Interior and exterior:

- durable, permanent anti-fog performance
- coating forms a thin veil of water in humid environments without impairing vision

Areas of application:

- workplaces with high humidity and/or frequent temperature fluctuations

uvex supravision clean

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| ▲▲▲△ | Anti-fog | △△△△ |
| ▲▲▲▲ | Scratch-resistance | ▲▲▲▲ |

Specifically developed for the healthcare sector. Lenses with uvex supravision clean are autoclavable.

Interior:

- lasting anti-fog performance
- anti-fog performance lasts a minimum of 20 autoclave cycles

Exterior:

- extremely scratch-resistant, chemical-resistant and easy to clean

Areas of application:

- dry, clean environments

uvex supravision variomatic

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| ▲▲▲△ | Anti-fog | △△△△ |
| ▲▲▲▲ | Scratch-resistance | ▲▲▲▲ |

Self-tinting coating that darkens when exposed to UV. Benefits from highly effective anti-fog performance inside, extremely scratch-resistant on the outside.

Self-tinting coating:

- automatically darkens within 10 sec. and lightens within 30 sec.

Areas of application:

- frequent moves between indoor and outdoor environments or light and dark workspaces

uvex supravision infradur

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| △△△△ | Anti-fog | △△△△ |
| ▲▲▲▲ | Scratch-resistance | ▲▲▲▲ |

Specifically developed for welding applications. Extremely high scratch-resistance on both sides. Minimises burns from welding sparks.

Areas of application:

- suitable for very dirty, dry welding applications where there is minimal risk of fogging

uvex supravision infradur plus

| Interior | Performance | Exterior |
|----------|--------------------|----------|
| ▲▲▲▲ | Anti-fog | △△△△ |
| ▲▲▲△ | Scratch-resistance | ▲▲▲▲ |

Specifically developed for welding applications. Lasting anti-fog performance on the inside, extremely scratch-resistant outside and minimises burns from welding sparks.

Areas of application:

- suitable for dirty, welding environments with a high possibility of fogging

uvex UV400

100% protection against UVB and UVA radiation



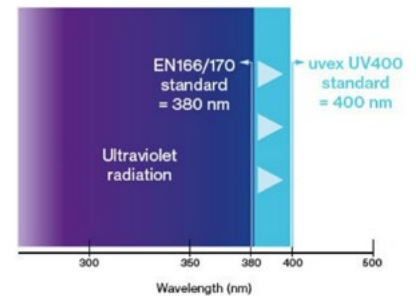
Did you know that the name **UVEX** stands for **UltraViolet EX**cluded?

Protecting your eyes from harmful ultraviolet (UV) rays is just as important as protecting them from impact.

The EN166/170 and EN ISO 16321-1:2022 standard specifies safety eyewear should provide UV protection up to 380 nanometers (nm). The World Health Organisation (WHO) and latest scientific studies state that this level of protection is insufficient and recommend safety eyewear lenses provide UV protection up to 400nm blocking 100% of UVB and UVA rays helping to protect the eyes AND the sensitive surrounding skin from long-term damage.

Benefits of uvex UV400

- ✓ Filters all UVA rays (at 380nm, 20% of damaging UVA still passes through the lens)
- ✓ Minimises the thermal impact on cells (10 times greater in the 380-400nm range) which can damage and alter the cell structure
- ✓ Reduces aggressive blue light content (HEV), which is harmful to the retina, by 15%
- ✓ Protects the eyes and surrounding skin from dangerous long-term damage



uvex UV400 - included in all uvex safety eyewear

Even without sun, UV rays can still put a strain on the eye. UV light is not part of the visible light spectrum, so blocking UV rays is different to needing a shaded lens on a bright sunny day. If you work outdoors, your eyes are regularly exposed to harmful UV radiation - even when it is cloudy. Using insufficient protection may cause dangerous long-term damage such as corneal injury, cataracts and loss of sight.

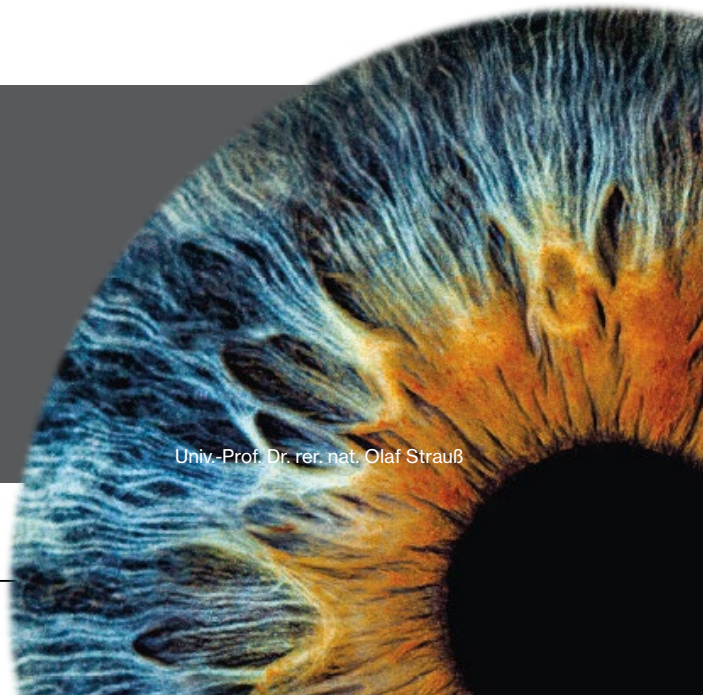
Regardless of whether you choose a clear or tinted uvex lens, all our safety eyewear is equipped with UV400 protection.



“The reasons why the WHO recommends UV400 protection are clear. The outer tissues of the eye, cornea and lens fully absorb UV light. While UVB light primarily damages the genetic material, UVA rays penetrate deeper, cause thermal damage and magnify the effects of UVB light.”

Univ.-Prof. Dr. rer. nat. Olaf Strauß

*WHO (World Health Organisation)



When it comes to protecting workers, our mission isn't to just meet the standards. We want to exceed them.

Going the extra mile

Safety Eyewear Standards

Our purpose is to provide you with the highest quality safety equipment in the market, and we do that with our in-house testing methods that exceed the EN test requirements, ensuring our eyewear performs equally well in real life conditions.

This ensures you're wearing the best protective product possible and is another example of our commitment to **WEARABILITY**.

EN ISO 16321-1:2022 and EN166:2002

- Optical quality
- UV protection
- Impact strength EN166:2020 (45/120m/s)
- Impact strength EN ISO 16321-1:2022 (45/120m/s)
- Splash
- Dust
- Scattered light (filters)
- Ignition
- Lens filters
- Extreme temperatures
- UV resistance
- Scratch resistance
- Anti-fog

uvex in-house tests

- Optical quality
- UV protection
- Impact strength EN166:2020 (45/120m/s)
- Impact strength EN ISO 16321-1:2022 (45/120m/s)
- Splash
- Dust
- Scattered light (filters)
- Ignition
- Lens filters
- Extreme temperatures
- UV resistance
- Scratch resistance
- Anti-fog
- Cleaning properties
- Chemical resistance
- Packaging compatibility
- Cosmetics compatibility
- Sweat compatibility
- Product aging
- Staining
- Product stress
- Spark resistance

Note: The above does not represent the complete list of tests conducted under each representative standard. uvex group tests with a common purpose in order to simplify a comparison across all standards.

To learn more about the new standards visit: uvex-safety.co.uk/en-iso-16321-1-2022

Specs, goggles, and faceguards:

Comparing ISO 16321 and EN 166 standards

EN ISO 16321-1:2022

Since 2001, EN 166:2001 has been used for CE and UKCA certification of safety eyewear in the European Union and United Kingdom. It is now being replaced by EN ISO 16321-1:2022 – a new set of international standards that will bring some significant changes to product requirements and test methods.

When does it come into force?

EN ISO 16321 was officially published as the replacement for EN 166 in May 2023. The legal adoption date is **11th November 2025** and only products that meet its standards may be tested and certified by official bodies from this date onwards.

However, existing EN 166 certificates which are often used for CE/UKCA markings, will remain valid until their official expiry date up to a maximum of five years. This means, for example, that any products certified or recertified according to EN 166 by **11th November 2025** can be sold legally by manufacturers until 31 October 2029. There is no end date for distributors to have sold their EN-certified products.

The new ISO standard will become the official standard in many leading PPE markets including the UK and in Europe.

Why is the standard changing?

ISO can be adopted worldwide and allows for global harmonisation of safety requirements. This is set to lead to greater consistency across international product markings and will help to ensure universal minimum standards.

Overview of the key changes

EN ISO 16321 comprises EN ISO 16321-1:2022, EN ISO 16321-2:2021 and EN ISO 16321-3:2022. It introduces numerous changes from EN 166 regarding safety features and testing requirements. To learn more about these changes visit: www.uvex-safety.co.uk/en-iso-16321-1-2022







Mechanical strength

One significant change is the mechanical strength, or impact resistance is changing and is crucial for protecting eyes from flying debris. EN 166:2001 had impact levels (level S), low energy impact resistance (level F), medium energy impact resistance applicable for goggles (level B) and high energy impact (level A) used only for face shields.



New impact resistance levels and protection zones

ISO 16321 introduces three new impact speeds C, D and E and an additional requirement for minimum coverage or “protection zones” (OPZ, EOZ, FPZ) based on projectile speed with higher impact levels requiring larger coverage areas.

| Product type | Example | Old EN166 / 168 impact resistance level and velocity | New ISO 16321-1 impact resistance level and velocity | New ISO 16321-1 protection zone |
|----------------|---|--|--|--|
| Eye protection |  | S drop ball test | Drop ball test (no marking) | - |
| Eye protection |  | F 45 m/s | C 45 m/s | Orbital Protection Zone (OPZ) |
| Eye protection |  | B 120 m/s | D 80 m/s | Extended Orbital Protection Zone (EOZ) |
| Face guard |  | A 190 m/s | E 120 m/s | Face Protection Zone (EOZ) |

This reduced requirement reflects the global harmonisation of the standard, with EN 166 having offered a uniquely high level of testing. At uvex, we have our own in-house standards known as the uvex house norms. To guarantee the high quality and integrity of our products we exceed industry regulations with our own rigorous tests that go beyond the standard requirements. As a result, uvex will continue to test products to the higher speeds of the European impact standard EN 166:2001. While products under impact level D (80m/s) will be marked as such, our products will still conform to the EN166 B (120 m/s) test.

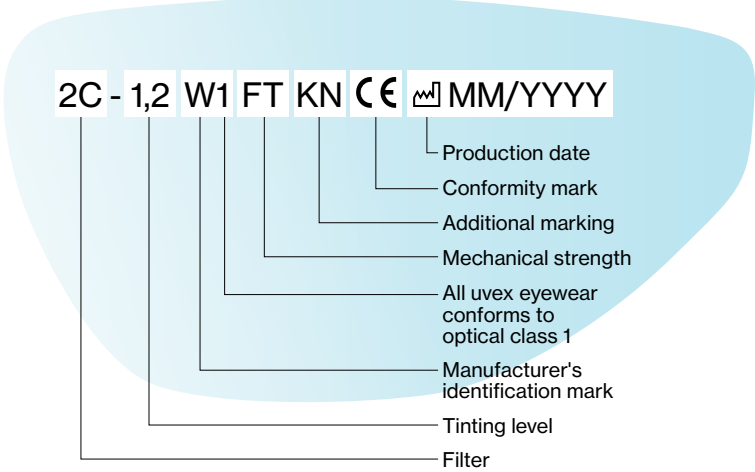
Markings on lenses in accordance with EN 166

Filter

| | |
|-------------|---|
| 2 | UV protection filter (EN 170) |
| 2C/3 | UV protection filter with colour recognition (EN 170) |
| 4 | IR protection filter (EN 171) |
| 4C | IR protection filter with colour recognition (EN 171) |
| 5 | Sunglare filter for industrial use (EN 172) |
| 6 | Sunglare filter with infrared requirement (EN 172) |

Tinting levels

| Marking | Light transmittance | Available uvex tints |
|------------|---------------------|---|
| 1,2 | 74.4–100% | AR, clear, amber |
| 1,4 | 58.1–80% | CBR65 |
| 1,7 | 43.2–58.1% | Silver mirror 53% |
| 2,5 | 17.8–29.1% | CBR23, grey 23% |
| 3,1 | 8–17.8% | Grey 12%, silver mirror 12%, polavision |
| 1,7 | 43.2–58.1% | Welding shade level 1,7 |
| 3 | 8.5–17.8% | Welding shade level 3 |
| 5 | 1.2–3.2% | Welding shade level 5 |
| 1,7 | 43.2–58.1% | Infrared protection IR-ex level 1,7 |
| 3 | 8.5–17.8% | Infrared protection IR-ex level 3 |
| 5 | 1.2–3.2% | Infrared protection IR-ex level 5 |



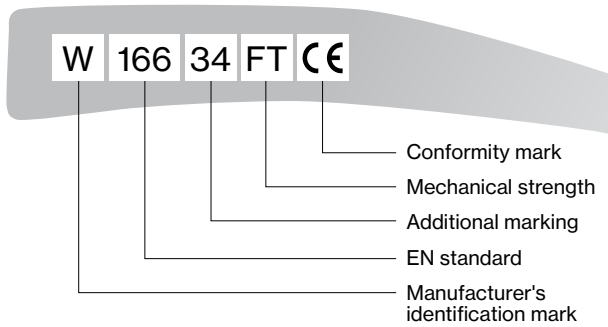
Mechanical strength

| | |
|-------------|--|
| None | Minimum robustness (filters only) |
| S | Increased robustness |
| F | Low-energy impact (45 m/s or 162 km/h) |
| B | Medium-energy impact (120 m/s or 432 km/h) |
| A | High-energy impact (190 m/s or 684 km/h) |
| T | Tested under extreme temperatures (-5°C/+55°C) |

Additional markings*

| | |
|----------|--|
| K | Surface resistance to damage by small particles in accordance with EN 168 (scratch resistance) |
| N | Resistance to fogging in accordance with EN 168 |
| 8 | Protection against short-circuit electric arcs |
| 9 | Protection against molten metal and hot solids |

Markings on frames in accordance with EN 166



Additional markings*

| | |
|-------------|---|
| None | General use |
| 3 | Protection against liquids (drops and splashes) |
| 4 | Protection against large dust particles with a grain size of > 5 µm |
| 5 | Protection against gases, vapours, smoke, fumes and fine dust particles with a grain size of < 5 µm |
| 8 | Protection against short-circuit electric arcs (visors only) |
| 9 | Protection against molten metal and hot solids |

Mechanical strength

| | |
|-------------|--|
| None | Minimum robustness (filters only) |
| S | Increased robustness |
| F | Low-energy impact (45 m/s or 162 km/h) |
| B | Medium-energy impact (120 m/s or 432 km/h) |
| A | High-energy impact (190 m/s or 684 km/h) |
| T | Tested under extreme temperatures (-5°C/+55°C) |

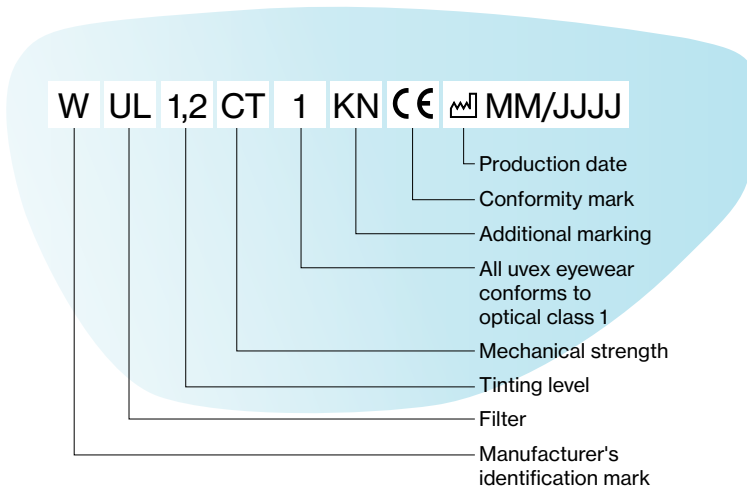
Markings on lenses in accordance with EN ISO 16321

Filter

| | |
|-------------|---|
| U | UV protection filter |
| G | Sunglare filter |
| W | Welding protection filter |
| R/RR | Infrared protection filter |
| +L | Signal light detection (optional, can be additionally certified for each filter) |

Tinting levels

| Marking | Light transmittance | Available uvex tints |
|--------------|---------------------|---|
| U1,2 | 74.4–100% | AR, clear, amber |
| G1 | 43.2–80% | CBR65, silver mirror 53% |
| G2 | 17.8–43.2% | CBR23, grey 23% |
| G3 | 8–17.8% | Grey 12%, silver mirror 12%, polavision |
| W1,7 | 43.2–58.1% | Welding shade level 1,7 |
| W3 | 8.5–17.8% | Welding shade level 3 |
| W5 | 1.2–3.2% | Welding shade level 5 |
| RL1,7 | 43.2–58.1% | Infrared protection IR-ex level 1,7 |
| RL3 | 8.5–17.8% | Infrared protection IR-ex level 3 |
| RL5 | 1.2–3.2% | Infrared protection IR-ex level 5 |



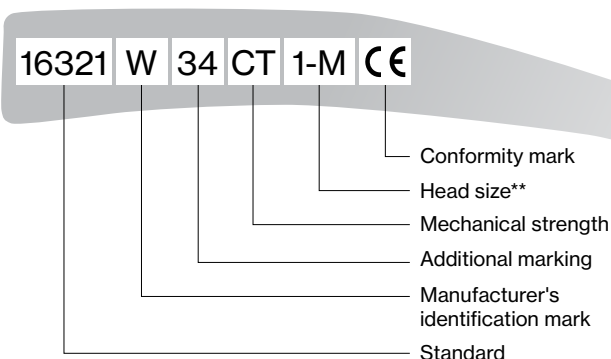
Mechanical strength

| | |
|-------------|--|
| None | Drop ball test in accordance with EN ISO 16321 (basic requirement) |
| C | Low-energy impact (45 m/s or 162 km/h) |
| D | Medium-energy impact (80 m/s or 288 km/h) |
| E | High-energy impact (120 m/s or 432 km/h) |
| HM* | High-mass impact (500 g steel projectile, drop height 1.27 m) |
| T* | Tested under extreme temperatures (-5°C/+55°C) |

Additional markings*

| | |
|-----------|--|
| K | Surface resistance to damage by small particles in accordance with EN ISO 16321 (scratch resistance) |
| N | Resistance to fogging in accordance with EN ISO 16321 |
| 7 | Protection against radiant heat |
| 9 | Protection against molten metal and hot solids |
| CH | Chemical resistance |

Markings on frames in accordance with EN ISO 16321



Mechanical strength

| | |
|-------------|--|
| None | Drop ball test in accordance with EN ISO 16321 (basic requirement) |
| C | Low-energy impact (45 m/s or 162 km/h) |
| D | Medium-energy impact (80 m/s or 288 km/h) |
| E | High-energy impact (120 m/s or 432 km/h) |
| HM* | High-mass impact (500 g steel projectile, drop height 1.27 m) |
| T* | Tested under extreme temperatures (-5°C/+55°C) |

Additional markings*

| | |
|-----------|---|
| 3 | Protection against liquids (drops and splashes) |
| 4 | Protection against large dust particles with a grain size of > 5 µm |
| 5 | Protection against gases, vapours, smoke, fumes and fine dust particles with a grain size of < 5 µm |
| 6 | Protection against high-pressure liquid flows |
| 7 | Protection against radiant heat (visors only) |
| 8 | Protection against short-circuit electric arcs (visors only) |
| 9 | Protection against molten metal and hot solids (visors only) |
| CH | Chemical resistance |

Head sizes

| | |
|--------------|---------------------------------------|
| 1-S | Small, European test head |
| 1-M** | Medium, European test head (standard) |
| 1-L | Large, European test head |
| 2-S | Small, Asian test head |
| 2-M | Medium, Asian test head |
| 2-L | Large, Asian test head |

* Optional

** 1-M is the standard. If only 1-M has been tested, this does not have to be marked on the frame or on the packaging.

Lens Tints

For different light environments

Getting the right lens shade can make all the difference to a wearer's comfort levels.

The type of environment in which the work is undertaken should influence the lens shade(s) selected. For example, are employees working indoors under harsh, bright lights? Are people frequently moving between indoors and outdoors, between light and shaded areas? Or are they working outside in the sunshine where the intensity of the sun can be a hazard in itself?

Properly tinted safety eyewear, even indoors, can have a dramatic effect on the wearer's vision, comfort and energy levels as well as concentration, productivity and compliance.

»» Clear



91% light transmission

Clear lenses offer nearly 100% consistent optical clarity across the entire span on the lens, providing as close to natural vision as possible. Ideal for:

- Most applications with adequate lighting

»» Amber



88% light transmission

Amber tint brightens and adds contrast to shapes and shadows by sharpening detail in challenging lighting conditions that otherwise would be hard to discern, lowering the strain of focus on the wearer's eyes. Ideal for:

- Poorly lit working conditions
- Evening work

»» Grey



23% light transmission

Grey tint is used to consistently dim the brightness of surroundings without color distortion and helps to reduce eye strain and fatigue. Ideal for:

- Prolonged sun exposure (bright or partially sunny)
- Blocking natural glare and sun glare

»» Silver mirror



53% light transmission

Silver mirror 53% allows moderate light transmission through the lens. This tint protects eyes and reduces the need for squinting, which can cause strain and fatigue on optical muscles. Ideal for:

- Environments with changing light conditions (indoor/outdoor)



»» CBR65



Blue light filter 65% light transmission

CBR65 lens filter absorbs up to 50% of harmful blue light with maximum absorption of 450nm, while at the same time a 65% visible light transmission offers better contrast enhancement and relaxed vision to help reduce strain on the eyes and increase comfort. Ideal for:

- Artificial lighting conditions
- Indoor workers, as well as outdoor

»» CBR23



Blue light filter 23% light transmission

CBR23 lens filter reduces blue light by up to 95% at 450 nm and is designed to enhance contrast, especially in high-glare conditions. Warmer colours are more visible than through a grey sunglare lens. Ideal for:

- Enhancing contrast and detail outdoors
- Blocking natural glare and sun glare

»» Polavision



14% light transmission

uvex's polavision lens technology blocks unnecessary and unwanted glare from workers' sight, allowing them to perceive their surroundings more accurately and clearly. Protection against reflections and optical irritations also allows for great visual comfort, safeguarding against eyestrain and fatigue. Ideal for:

- Enhancing contrast and detail outdoors
- Applications involving water, sheet metal and snow

»» Welding



Shades 3 and 5

uvex grey-tint lenses affords protection from UV and infrared light while maintaining perfect colour recognition in accordance with uvex sun glare filters.

CBR23

Optimal protection against glare

Contrast enhancement

The uvex CBR23 lens is designed to enhance contrast which helps wearers to distinguish objects more clearly, especially in high-glare conditions. Enhanced contrast can improve depth-perception and help reaction times which can be particularly beneficial in environments requiring high levels of concentration and precision. With the CBR23 lens, colours are more visible than through a grey sunglare lens.

Bluelight reduction

Blue light effects the eyes in the short-term as it can cause eye strain, headaches and impact a person's ability to concentrate.

The uvex CBR23 lens reduces blue light by up to 95% at 450 nm offering protection against harmful UVA and UVB rays AND the high-energy blue light. Ideal for outdoor applications e.g. working in bright sunshine.

Relaxed vision 23% light transmission

The softer tint of the brown lens helps relax the eye and surrounding muscles, reducing headaches, discomfort and fatigue caused by harsh lighting. This enables the wearer to remain focused and more productive for longer.

The number 23 indicates light transmission – the lower the number, the darker the lens tint, providing optimal protection against glare.



9128223



9183223



9198223



9193223



9320223

Contrast enhancement

Bright light, reflective surfaces or changing light conditions can all put additional strain on the eyes which can be uncomfortable and increase feelings of fatigue.

The innovative CBR65 lens shade offers better contrast for clearer vision, helping to reduce strain on the eyes and increase comfort - ideal for indoor applications.

Bluelight reduction

LED lights, computers and other visual display screens produce bright, harsh, unnatural light with high blue content that can pass through the eye and reach the retina. Over time this may increase the onset of age-related macular degeneration (AMD). Safety spectacles with the unique uvex CBR65 lens shade reduces the blue light by up to 50% - reducing the risk of AMD and enhancing wearer experience even when worn for extended periods.

Relaxed vision 65% light transmission

Whether conducting close inspection work or working outdoors, many jobs require high levels of concentration throughout the day. The slight tint of the uvex CBR65 lens delivers a relaxed field of vision, preventing the eye from getting tired too fast.

Even in particularly bright workplaces this enables the wearer to remain focused for a longer length of time without the strain.



9128064



9183064



9198064



9193064



9169164



9309064

CBR65

Relaxed, comfort, vision



What's the **real** cost in use?

How to make savings when buying safety eyewear

Many organisations are now considering their environmental impact and want a more sustainable culture. In addition to the environmental impact, buying low-cost imported safety eyewear can actually cost your company more in the long-run. Although a basic pair of safety spectacles may meet the European standard, their performance often falls short when subjected to the demands of the real-world environment. Investment in better quality PPE can help.



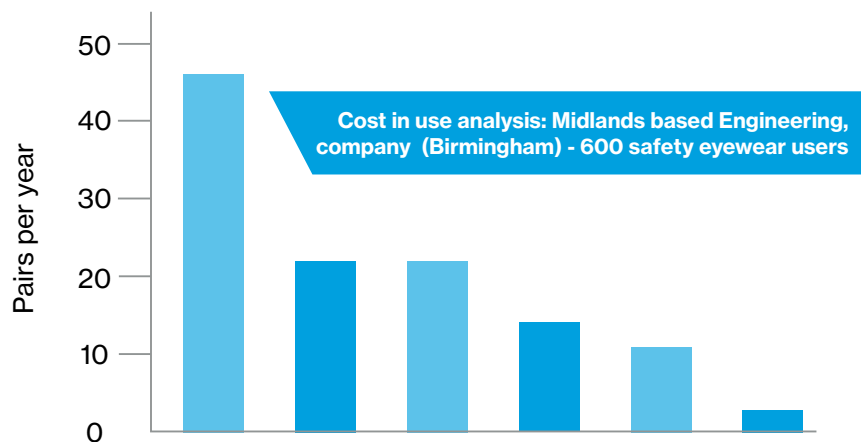
You get what you pay for

Apart from wear and tear, the primary reason why safety eyewear needs to be replaced is when the lens coating fails. Practically all hydrophobic coatings (see page 14 for a full explanation) will fail when cleaned using water or a proprietary cleaning solution. Failure rates can occur after a single clean and virtually all fail within 10 cleaning episodes.

The resistance to fogging test in accordance to EN ISO 16321-1:2022 or the old EN168:2001 is an optional standard, whereby lenses must remain fog-free for a minimum of eight seconds when exposed to an atmosphere above 50°C for the duration of the test.

Lenses that meet this standard are marked with the symbol 'N' however, it is important to ensure that safety eyewear meets, or preferably exceeds, this optional standard in order to withstand the rigors of the real world.

The chart demonstrates the durability of uvex lens coatings compared to other manufacturers, when washed to see how quickly the anti-fog coating deteriorated; based on an assumption that eyewear is washed twice a week for 44 weeks of the year.



| | Brand A | Brand B | Brand C | Brand D | Brand E | uvex |
|--------------------|----------|----------|----------|---------|---------|--------|
| Annual usage | 46prs | 23prs | 23prs | 15prs | 12prs | 4prs |
| Av. price per pair | £2.00 | £3.00 | £3.50 | £4.00 | £4.50 | £8.00 |
| Cost per 50 emps. | £4,600 | £3,450 | £4,025 | £3,000 | £2,700 | £1,600 |
| Annual waste | 2,250prs | 1,100prs | 1,100prs | 700prs | 550prs | 150prs |



The **real** cost of safety eyewear



The average spend per person shows that safety glasses costing £2 would result in one person using 45 pairs of eyewear per year, costing £92 per person and £4,600 per 50 employees. While those using glasses costing £8 per pair would only need 4 pairs per year because the anti-fog coating lasts indefinitely - a total cost of £32 per person per year or £1,600 per 50 employees.



Hidden costs are minimised

Apart from direct cost reduction, there are many significant knock-on benefits to reducing the usage of safety eyewear by purchasing better quality products. Fewer orders will be needed, so less stock will need to be held on site, reducing storage costs and keeping cash within the business.

Using longer-lasting safety spectacles also means increased production time, as employees do not waste time going back and forth to replenish their glasses. Workers are also more likely to wear their protective eyewear if it does not keep failing, minimising risk, improving safety and increasing concentration on the job. Finally, better quality products have a longer life meaning there is less waste going to landfill.

In addition to its fit programme, uvex also provides education and training on how best to care for your eyewear, moving safety eyewear from being a commodity item to one that is respected and cared for by employees.

uvex



» Style



Style

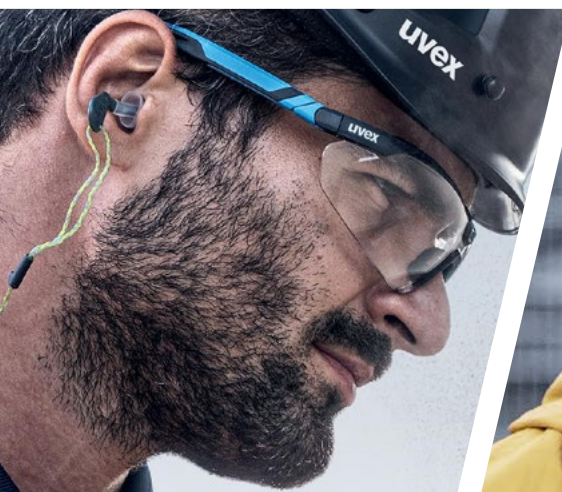
We're human.

We all like to look good.

We all want to look and feel good, even at work. When **WEARABILITY** is designed into safety eyewear, employees are more likely to keep it where it should be, on their face and in front of their eyes.

It is possible for employees to have high-performing, comfortable, properly fitted specs or goggles that keep dust and debris out, in a design that best suits them.

The wide range of uvex styles and designs of safety eyewear allows even the most discerning employee to find the product that most suits them.



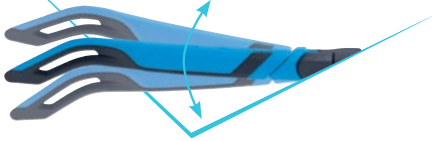
uvex



uvex i-5

Technology - Performance - Style

Three-stage inclination
allows easy adjustment
to any facial shape



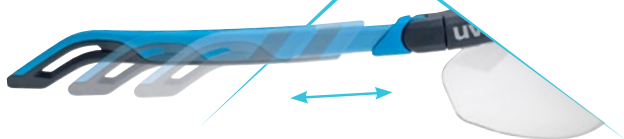
x-tended sideshield
provides optimum protection
around the sides of the eyes



x-tended eyeshield
provides greater protection
against particles, dust and dirt



x-twist technology
for flexible and comfortable
adjustment to any head shape



**Soft and flexible
nose pad**
for pressure-free wearer
comfort and a non-slip fit



uvex i-5

- Soft, flexible nose pad for maximum comfort and a non-slip fit
- x-tended eyeshield with soft seal technology wraps around the brow providing additional protection from particle ingress
- x-tended sideshield provides further protection without restricting peripheral vision
- 3-position side arm inclination adapts easily to any facial shape
- Soft, extendable x-twist side arm technology offers
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch resistant outside
- Metal free
- UV400

| uvex i-5 | | |
|---------------------|--|--|
| Product code | 9183265 | 9183281 |
| Version | uvex supravision excellence | uvex supravision excellence sunglare filter |
| Standard | EN 166, EN 170 | EN 166, EN 172 |
| Frame | anthracite, blue W 166 FT CE | anthracite, lime W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC grey 23% UV400 5-2.5 W1 FTKN CE |
| Weight | 29 g | 29 g |

| uvex i-5 | | |
|---------------------|---|--|
| Product code | 9183064 | 9183281 |
| Version | uvex supravision excellence sun protection | uvex supravision excellence sunglare filter |
| Standard | EN 166, EN 172 | EN 166, EN 172 |
| Frame | white, black W 166 FT CE | anthracite, lime W 166 FT CE |
| Lens | PC CBR65 UV400 5-1.4 W1 FTKN CE | PC grey 23% UV400 5-2.5 W1 FTKN CE |
| Weight | 29 g | 29 g |



9181265



9181281



9183064

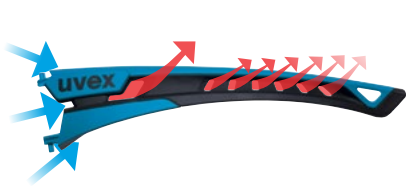


9183223

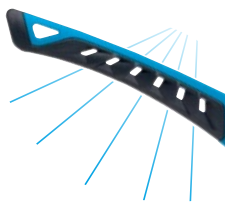


uvex pheos nxt

grip. fit. vented.



The innovative side arm design allows **maximum air circulation** for climate-optimised wearer comfort.



The **grip structure** guarantees a secure fit even during demanding work.



The proven **uvex supravision coating technology** (with UV400 protection) offers a distortion-free field of view at all times.



Lightweight design for an even more comfortable fit.

uvex pheos nxt

- Classic sporty, lightweight safety spectacle with innovative side arm structure for optimal, secure hold at all times
- Ergonomically shaped side arms with grip structure and soft-grip temple ends provide a comfortable, secure fit without pressure
- Numerous recesses in the side arms provide increased air circulation for excellent climate-optimised wearer comfort
- Nose bridge designed for all-day comfort
- Robust polycarbonate lens with uvex's proven supravision coating technology – permanent anti-fog and scratch-resistant lens
- UV400 – 100% protection against dangerous UV radiation up to 400 nm
- Metal-free

| | | |
|-----------------------|---|--|
| uvex pheos nxt | | |
| Product code | 9128265 | 9128295 |
| Version | uvex supravision excellence | uvex supravision excellence |
| Standard Frame | EN 166, EN 170 blue, anthracite W 166 FT CE | EN 166, EN 170 anthracite, jade W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC clear (mass balanced) UV400 2C-1.2 W1 FTKN CE |
| Weight | 25 g | 25 g |
| uvex pheos nxt | | |
| Product code | 9128064 | 9128223 |
| Version | uvex supravision excellence sunglare filter | uvex supravision excellence sunglare filter |
| Standard Frame | EN 166, EN 172 white, black W 166 FT CE | EN 166, EN 172 white, black W 166 FT CE |
| Lens | PC CBR65 UV400 5-1.4 W1 FTKN CE | PC CBR23 UV400 5-2.5 W 1 FT KN CE |
| Weight | 25 g | 25 g |



9128265



9128295



9128064



9128223



uvex pheos cx2

Winners at work



► Also available as wide-vision goggles (see page 45)



The distance between the forehead and spectacles has been measured at four different points, confirming a snug and secure fit.



X-tended eye shield. The soft components are attached directly to the lens, provide protection from dust and water.



When sprayed directly with a reagent, the X-tended eye shield does not let a single droplet through – whether sprayed from the front, from above or laterally.

uvex pheos cx2

- x-branded safety spectacles with a modern, sporty design
- Comfortable protection with the x-tended eyeshield
- x-twist side arm technology delivers non-slip fit for optimum protection
- Duo-spherical lens delivers excellent field of vision
- Innovative uvex duo component technology for maximum wearer comfort
- Can easily be combined with other PPE
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch resistant outside
- UV400

| uvex pheos cx2 | | | |
|---------------------|--|---|---|
| Product code | 9198257 | 9198237 | 9198064 |
| Version | uvex supravision excellence | uvex supravision excellence sunglare filter | uvex supravision excellence sunglare filter |
| Standard | EN 166, EN 170 | EN 166, EN 172 | EN 166, EN 172 |
| Frame | blue, grey W 166 FT CE | white, black W 166 FT CE | white, black W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC grey 23% UV400 5-2.5 W 1 FTKN CE | PC CBR65 UV400 5-1.4 W 1 FTKN CE |
| Weight | 28 g | 28 g | 28 g |



9198257



9198237



9198064



uvex pheos + pheos s

Original and the best



9192080



9192225
9192720



9192285
9192786



9192385
9192788



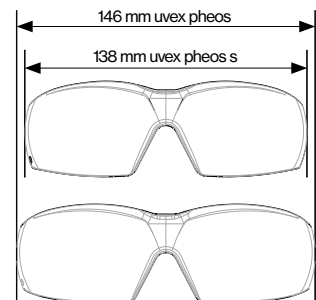
9192881



9192180
9192680



9192181



uvex pheos and pheos s

- Wide field of vision
- Side protection and additional brow protection
- Narrow side arm geometry enables ear defenders, helmets or bump caps to be worn comfortably
- Soft, non-slip side arms prevent pressure points
- The pheos s small version is 8mm narrower than the standard width, making it ideal for those with smaller faces
- uvex's proven supravision lens coating technology: permanent anti-fog on the inside, scratch-resistant outside
- Metal free
- UV400

| uvex pheos | | |
|---------------------|--|--|
| Product code | 9192225 (regular) 9192720 (small) | 9192285 (regular) 9192786 (small) |
| Version | uvex supravision excellence sunglare filter | |
| Standard | EN 166, EN 170 | EN 166, EN 172 |
| Frame | black, green W 166 FT CE | black, grey W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC grey 23% UV400 5-2.5 W1 FTKN CE |
| Weight | 29 g | 29 g |

| uvex pheos | | | |
|---------------------|--|---|--|
| Product code | 9192080 (regular) | 9192385 (regular) 9192788 (small) | 9192881 (regular) |
| Version | uvex supravision plus | uvex supravision excellence contrast-enhancing | AF on the inside sunglare filter, silver mirror |
| Standard | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 172 |
| Frame | black, grey W 166 FT CE | black, yellow W 166 FT CE | light grey, grey W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC amber UV400 2C-1.2 W1 FTKN CE | PC silver mirror grey UV400 5-1.7 W1 FTN CE |
| Weight | 29 g | 29 g | 29 g |

| uvex pheos guard | |
|---|---|
| 9192180 (regular) | 9192181 (regular) |
| 9192680 (small) | |
| uvex supravision extreme incl. foam frame and headband | uvex supravision extreme incl. foam frame and headband |
| EN 166, EN 170 | EN 166, EN 172 |
| black, grey W 166 FT CE | black, grey W 166 FT CE |
| PC clear UV400 2C-1.2 W1 FTKN CE | PC grey 23% UV400 5-2.5 W1 FTKN CE |
| 46 g | 46 g |

uvex

uvex sportstyle

Style without compromise



Contoured lens
delivers ultimate cohesive fit



Soft grip side arms and brow
also ensures optimum wearer comfort



Lightweight safety spectacles
weighing just 23 grams

Adjustable, soft nose piece
for comfortable, customised fit.

uvex sportstyle

- Close fitting, athletic design
- Low weight - just 23g for incredible comfort
- Contoured lens fits all facial shapes
- Soft grip side arms, nose bridge and brow for non-slip comfort
- Equally good for industrial or sports activities
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch-resistant outside
- UV400

| uvex sportstyle | | | | uvex sportstyle planet |
|---------------------|---|---|---|---|
| Product Code | 9193080 | 9193265 | 9193376 | 9193395 |
| Version | uvex supravision plus | uvex supravision excellence | uvex supravision extreme | uvex supravision extreme |
| Standard | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 170 |
| Frame | black, grey | black, lime | black, petrol | anthracite, jade |
| Lens | W 166 FT CE PC clear UV400 2C-1.2 W1 FTKN CE | W 166 FT CE PC clear UV400 2C-1.2 W1 FTKN CE | W 166 FT CE PC clear UV400 2C-1.2 W1 FTKN CE | W 166 FT CE PC clear (mass balanced) UV400 2C-1.2 W1 FTKN CE |
| Weight | 23 g | 23 g | 23 g | 23 g |
| uvex sportstyle | | | | |
| Product Code | 9193064 | 9193223 | 9193280 | 9193880 |
| Version | uvex supravision extreme sunglare filter | uvex supravision extreme sunglare filter | uvex supravision extreme sunglare filter | uvex supravision variomatic self-tinting lenses |
| Standard | EN 166, EN 172 | EN 166, EN 172 | EN 166, EN 172 | EN 166, EN 170 |
| Frame | white, black | white, black | white, black | black, anthracite |
| Lens | W 166 FT CE PC CBR65 UV400 5-1.4 W1 FTKN CE | W 166 FT CE PC CBR23 UV400 5-2.5 W1 FTKN CE | W 166 FT CE PC grey 23% UV400 5-2.5 W1 FTKN CE | W 166 FT CE PC light green UV400 2-1.2 W1 FTKN CE |
| Weight | 23 g | 23 g | 23 g | 23 g |





uvex i-works

Look good. Be safe.



Panoramic lens
Gives excellent field of vision and high levels of protection



uvex supravision excellence
Permanent anti-fog coating on the inside and scratch-resistant on the outside



Low profile soft grip side arms
for ultra comfortable, stable, non-slip fit and compatible with other items of PPE



Hang cord attachment
keeps eyewear handy for when it's needed

uvex i-works

- Safety spectacles with a sporty design: attractive appearance and robust quality
- Duo component technology which combines hard and soft components, soft grip side arms, deliver non-slip fit without pressure points
- Low profile side arms with practical hang cord attachment option
- Can be easily combined with other PPE
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch resistant outside
- Metal-free
- UV400

| | | |
|-----------------------|---|--|
| uvex i-works | | |
| Product Code | 9194171 | 9194175 |
| Version | uvex supravision excellence | uvex supravision excellence |
| Standard Frame | EN 166, EN 170 anthracite, blue W 166 FT CE | EN 166, EN 170 anthracite, green W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC clear UV400 2C-1.2 W1 FTKN CE |
| Weight | 26 g | 26 g |
| uvex i-works | | |
| Product Code | 9194365 | 9194270 |
| Version | uvex supravision excellence contrast-enhancing | uvex supravision excellence sunglare filter |
| Standard Frame | EN 166, EN 170 black, yellow W 166 FT CE | EN 166, EN 172 anthracite, grey W 166 FT CE |
| Lens | PC amber UV400 2C-1.2 W1 FTKN CE | PC grey 23% UV400 5-2.5 W1 FTKN CE |
| Weight | 26 g | 26 g |



9194175



9194171



9194365



9194270

uvex

uvex i-range

sustainable. flexible. safe.



x-tended sideshield
for additional side protection



Ergonomically shaped side arms
for a perfect fit and secure hold
without creating pressure points



Soft and flexible face seal made
from sustainable materials for a
universal fit



**Three-stage adjustable side
arms** for individual customisation

uvex i-range

- Large, flat lens delivers unrestricted field of vision
- x-tended sideshield offers additional protection from hazards
- Side arms with multi-incline points allow for a high level of individualisation to ensure a good fit for all facial shapes and head widths
- Ergonomically shaped side arms provide a secure fit without pressure
- Robust polycarbonate lens with uvex's proven supravision coating technology – permanent anti-fog and scratch-resistant lens
- uvex i-guard: soft, flexible face seal adapts to the wearer providing both protection and comfort. It also protects against droplets or splashes of liquids and large dust particles (markings 3 and 4)
- UV400 - 100% production against UVA and UVB radiation up to 400 nm



9143265



9143266



9143281



9143282



uvex suxceed

strong. sporty. functional.

eXXtremely cool look
dynamic, attractive
frame design

maXXimum comfort
ergonomically shaped side arms and
soft grip temple ends – now even
more comfortable to wear, while still
providing a secure hold



fleXXible nose pad
for a non-slip and
pressure-free fit

eXXcellent vision
with proven uvex supravision
coating technology and UV400
protection

eXXtra protection
against particles, dirt and
dust is provided by the
optional clip-in frame

Clip-in frame



9181001

uvex suxceed

- Sporty safety spectacle in an appealing, dynamic design
- Ergonomically shaped side arms with soft-grip temple ends provide a comfortable, secure fit without pressure
- Soft, flexible nose pad adapts to the wearer, delivering a non-slip and pressure-free fit
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch-resistant outside
- Optional clip-in frame seal provides extra protection against particles, dirt and dust
- Metal free
- UV400

| uvex suXceed | uvex suXceed | uvex suXceed guard | |
|---------------------|--|--|---|
| Product code | 9181265 | 9181268 | 9181180 |
| Version | uvex supravision excellence | uvex supravision excellence | uvex supravision excellence incl. clip-in frame |
| Standard | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 170 |
| Frame | anthracite, blue W 166 FT CE | black, light grey W 166 FT CE | anthracite, blue W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC clear UV400 2C-1.2 W1 FTKN CE | PC clear UV400 2C-1.2 W1 FTKN CE |
| Weight | 28 g | 28 g | 33 g |

| uvex suXceed | uvex suXceed | clip-in frame | |
|---------------------|---|--|---|
| Product code | 9181281 | 9181288 | 9181001 |
| Version | uvex supravision excellence sunglare filter | uvex supravision excellence sunglare filter | uvex supravision excellence clip-in frame for uvex suXceed |
| Standard | EN 166, EN 172 anthracite, lime W 166 FT CE | EN 166, EN 172 black, light grey W 166 FT CE | black |
| Lens | PC grey 23% UV400 5-2.5 W1 FTKN CE | PC grey 23% UV400 5-2.5 W1 FTKN CE | |
| Weight | 28 g | 28 g | 5 g |



9181265



9181268



9181180



9181281



9181288



uvex astrospec 2.0

Classic safety spectacle



uvex astrospec 2.0

- Classic safety spectacle with flat lens for a wide field of vision
- Ergonomically shaped side arms with multi-incline points allow for a high level of individualisation to ensure a good fit for all facial shapes and head widths
- Side arms with soft-grip temple ends provide a comfortable, secure fit without pressure
- Nose bridge designed for all-day comfort
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch-resistant outside
- UV400

| uvex astrospec 2.0 | | |
|-----------------------|--|--|
| Product Number | 9164187 | 9164220 |
| Version | uvex supravision plus | uvex supravision excellence contrast-enhancing |
| Standard | EN 166, EN 170 | EN 166, EN 170 |
| Frame | black, grey W 166 FT CE | black, yellow W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC amber UV400 2C-1.2 W1 FTKN CE |
| Weight | 42 g | 42 g |

uvex polavision

Polarised filter



uvex polavision

- Sporty dual lens safety spectacle with polarised filter
- uvex polavision technology protects against reflections and optical irritations outdoors helping to ease eye strain e.g. highly reflective surfaces such as water or glass
- Side arms with soft-grip temple ends provide a comfortable, secure fit without pressure
- Soft, flexible nose pad for a non-slip and pressure-free fit
- Robust polycarbonate lens with UV400 – 100% protection against dangerous UV radiation up to 400 nm

| uvex super f OTG | |
|-----------------------|--|
| Product Number | 9231960 |
| Version | scratch-resistant on both sides sunglare filter EN 166, EN 172 |
| Standard | black, white |
| Frame | W 166 F CE PC grey 14% |
| Lens | UV400 5-31 W 1 F CE |
| Weight | 25 g |

uvex super OTG

Overspectacles



9169260



9169295



9169081

uvex super OTG

- Classic overspecs for prescription spectacle wearers with an innovative temple concept and a flat lens that offers a wide field of vision
- Flexible side arms with soft-grip temple ends provide a comfortable, secure fit without pressure
- Nose bridge designed for all-day comfort
- Can be easily combined with other PPE
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch-resistant outside
- Metal-free
- UV400

| uvex super OTG | | uvex super OTG planet | |
|-----------------------|--|--|---|
| Product Number | 9169260 | 9169295 | 9169081 |
| Version | uvex supravision excellence | uvex supravision excellence | uvex supravision sapphire sunglare filter |
| Standard | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 172 |
| Frame | blue, light grey W 166 FT CE | anthracite, jade W 166 FT CE | black, light grey W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC clear (mass balanced) UV400 2C-1.2 W1 FTKN CE | PC grey 23% UV400 5-2.5 W1 FTKN CE |
| Weight | 37 g | 37 g | 37 g |

uvex super F OTG

Overspectacles



9169261



9169500



9169164

uvex super f OTG

- Classic overspecs for prescription spectacle wearers with an innovative temple concept and a flat lens that offers a wide field of vision
- Flexible side arms with soft-grip temple ends provide a comfortable, secure fit without pressure
- Nose bridge designed for all-day comfort
- Can be easily combined with other PPE
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch-resistant outside
- UV400

| uvex super f OTG | | | |
|-----------------------|--|---|---|
| Product Number | 9169261 | 9169500 | 9169164 |
| Version | uvex supravision excellence | uvex supravision clean autoclavable (20 cycles) | uvex supravision excellence sunglare filter |
| Standard | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 172 |
| Frame | black, clear W 166 FT CE | white, light blue W 166 FT CE | black, white W 166 FT CE |
| Lens | PC clear UV400 2C-1.2 W1 FTKN CE | PC clear UV400 2C-1.2 1 FTKN CE | PC CBR65 UV400 5-1.4 W1 FTKN CE |
| Weight | 39 g | 39 g | 39 g |

uvex



uvex megasonic

Giving you a wider perspective

Frameless and innovative lens design
for an optimum, unrestricted view

x-frame design
for flexible adjustment
to any face

Ergonomic face piece
for a perfect fit and
maximum comfort

**Fits comfortably over most
prescription glasses**
thanks to the unique frame design

Extra-wide headband
for an optimal fit and
extra wearer comfort



uvex megasonic

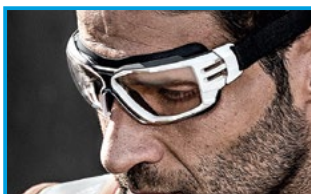
- Functional safety goggle in ski goggle design with a truly panoramic field of vision
- Unique frameless lens design for edge-to-edge optical clarity and increased safety
- Soft, adaptive face seal providing a universal fit for different head and facial shapes, as well as a tight fit without pressure points
- Generous internal volume to accommodate prescription spectacles and frame recesses to locate the side arms ensuring a comfortable fit
- Indirect ventilation system increases air circulation
- Length-adjustable 30 mm wide textile headband for optimal low pressure hold and individual adaptability
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch-resistant outside
- UV400

| | | |
|-----------------------|--|--|
| uvex megasonic | | |
| Product Code | 9320265 | 9320281 |
| Version | uvex supravision excellence | uvex supravision excellence sunglare filter |
| Standard Frame | EN 166, EN 170 anthracite, blue W 166 34 BT CE | EN 166, EN 172 anthracite, lime W 166 34 BT CE |
| Lens | PC clear UV400 2C-1.2 W1 BTKN CE | PC grey 23% UV400 5-2.5 W1 BTKN CE |
| Weight | 96 g | 96 g |
| uvex megasonic | uvex megasonic planet | |
| Product Code | 9320295 | 9320223 |
| Version | uvex supravision excellence | uvex supravision excellence sunglare filter |
| Standard Frame | EN 166, EN 170 anthracite, jade W 166 34 BT CE | EN 166, EN 172 black, grey W 166 34 BT CE |
| Lens | PC clear (mass balanced) UV400 2C-1.2 W1 BTKN CE | PC CBR23 UV400 5-2.5 W1 BTKN CE |
| Weight | 96 g | 96 g |



uvex pheos cx2 sonic

Compact design. First-class comfort



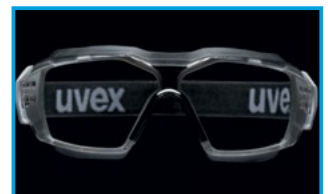
Compact design, ultra-lightweight, wide-vision goggle (34g)



Outstanding protection thanks to flexible and adaptable soft components



X-tended eyeshield for perfect coverage of the whole eye area



Scratch-resistant outside, anti-fog inside thanks to uvex supravision extreme coating

uvex pheos cx2 sonic

- Sporty, compact and extremely lightweight safety goggle
- Very soft and flexible, ergonomic face seal for a custom fit and ultimate comfort
- Indirect ventilation system increases air circulation
- Very light, length-adjustable textile headband for a secure fit and individual adaptability
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch-resistant outside
- Metal-free
- UV400

| uvex pheos cx2 sonic | | |
|-----------------------|--|--|
| Product Code | 9309275 | 9309286 |
| Version | uvex supravision extreme | uvex supravision extreme sunglare filter |
| Standard Frame | EN 166, EN 170 white, black W 166 34 BT CE | EN 166, EN 172 white, black W 166 34 BT CE |
| Lens | PC clear UV400 2C-1.2 W1 BTKN CE | PC grey 23% UV400 5-2.5 W1 BTKN CE |
| Weight | 34 g | 34 g |



9309275



9309286

uvex



uvex ultrasonic

High-performing safety goggles



9302245



9302285



9302600



9302290



9302500

uvex ultrasonic

- Sporty design based on a ski goggle
- Supple, non-allergenic TPE naturally moulds to individual face shapes
- Concealed ventilation reduces moisture build-up, aids airflow for a pleasant, non-drying wearing experience
- Can be worn over most prescription glasses
- Medium (B) energy impact protection: tested to 120 m/s or 260 mph
- uvex's proven supravision lens coating technology: permanent anti-fog coating on the inside, scratch-resistant outside
- UV400

| uvex ultrasonic | uvex ultrasonic | | | uvex ultrasonic planet | |
|-----------------------|-----------------------------|-----------------------------|--|-----------------------------|---|
| Product Number | 9302245 | 9302285 | 9302600 | 9302290 | 9302500 |
| Version | uvex supravision excellence | uvex supravision excellence | uvex supravision extreme reduced ventilation | uvex supravision excellence | uvex supravision clean autoclavable (20 cycles) |
| Standard | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 170 | EN 166, EN 170 |
| Frame | grey, orange | black, grey | blue, grey | anthracite, jade | transparent, white |
| Lens | W 166 34 B CE | W 166 34 B CE | W 166 34 B CE | W 166 34 B CE | W 166 34 B CE |
| | PC clear, UV400 | PC clear, UV400 | PC clear, UV400 | PC clear (mass balanced) | PC clear, UV400 |
| | 2C-1.2 W1 BKN CE | 2C-1.2 W1 BKN CE | 2C-1.2 W1 BKN CE | UV400 | 2C-1.2 W1 BKN CE |
| Weight | 83 g | 83 g | 83 g | 83 g | 83 g |

uvex u-sonic

Lightweight. Perfect fit



9308245

uvex u-sonic

- Compact design
- Low profile, wraparound design fits a wide range of facial shapes
- Soft seal frame technology adapts to the wearer for a customised fit - protects against liquid droplets/splash, large dust particles
- uvex supravision excellence lens coating technology: permanent anti-fog coating on the inside of the lens, scratch-resistant on the outside
- Wide, fully adjustable head strap
- High levels of compatibility with other items of PPE
- UV400

| | |
|-----------------------|-----------------------------------|
| uvex u-sonic | |
| Product Number | 9308245 |
| Version | uvex supravision excellence |
| Standard | EN 166, EN 170 |
| Frame | anthracite, lime W 166 34 B CE |
| Lens | PC clear UV400 |
| Weight | 2C-1.2 W1 BKN CE 72 g |

uvex ultravision

Classic safety goggle



9301105



9301605

uvex ultravision

- Classic safety goggle suitable for a wide range of applications
- Flexible face seal naturally moulds to any facial shape
- Generous internal volume accommodating prescription spectacles and frame recesses to locate the side arms ensuring a comfortable fit
- Indirect ventilation system increases air circulation
- Length-adjustable textile headband
- Robust polycarbonate lens with uvex's proven supravision coating technology – permanent anti-fog and scratch-resistant lens
- UV400

| | | |
|-----------------------|------------------------------------|------------------------------------|
| uvex ultravision | | |
| Product Number | 9301105 | 9301605 |
| Version | uvex supravision excellence | uvex supravision plus |
| Standard | EN 166, EN 170 | EN 166, EN 170 |
| Frame | transparent grey W 166 34 BT CE | transparent grey W 166 34 BT CE |
| Lens | PC clear UV400 | PC clear UV400 |
| Weight | 2C-1.2 W1 BTKN CE 131 g | 2C-1.2 W1 BTKN CE 131 g |

Caring

for your safety eyewear



Keeping safety eyewear clean and scratch-free not only keeps employees seeing clearly, it also extends the life of the product as well - resulting in significant cost savings for companies and less waste going to landfill.

The main cause for scratched or under-performing safety eyewear lenses is improper cleaning. Incorrect handling and storage can also cause unnecessary damage to lenses.

» Follow these simple care and cleaning steps to increase the life of uvex safety eyewear:

1

Lightly blow off any loose dirt or debris from your lenses.

2

Rinse your lenses with cool water. uvex eyewear is engineered with nanotechnology - a non-stick formula that makes lenses easier to clean. At your uvex cleaning station, spray the cleaning solution directly onto the lenses.

3

Use a lens-safe tissue (provided at the uvex cleaning station) to dry and wipe clean.

4

If you're not immediately putting the safety eyewear on, store it in a pouch or case before putting them in a safe spot. Never put unprotected safety eyewear in your pocket.



If a cleaning station is not available, use a soft, dry microfibre cloth to gently wipe your lenses.*

In addition to properly cleaning, check your safety eyewear before you put them on to ensure that the lenses and frames are intact. If anything is defective, replace immediately. Inspection is the first line of protection.

* Using another brand of anti-fog wipes, alcohol-based cleaners or any other non-uvex product on uvex supravision lenses can cause damage.



Accessories

uvex eyewear cleaning and storage accessories

To ensure that you get the best out of your safety eyewear and that it remains usable for longer, we have developed a range of accessories, designed for quick, easy cleaning and safe storage.



uvex lens cleaning station

Complete cleaning station with replaceable cleaning fluid and tissues. Can be wall mounted.



uvex lens cleaning towelettes

Individually sealed, moist cleaning tissues.



uvex spectacle bag

Polyester drawstring bag.



uvex goggle bag

Polyester drawstring bag.



uvex neck hang cord

Fits all uvex safety glasses.



As a prescription spectacle wearer, there's no need to compromise on the fit, comfort, performance or style of your prescription safety eyewear.

uvex prescription safety eyewear

Ensuring everyone is protected equally



Protection without compromise

The majority of work-related eye injuries are as a result of objects striking, scraping or penetrating the eye. Prescription wearers are exposed to the same hazards as those wearing safety glasses which is why it's so important that the appropriate lens material is selected. Where impact has been defined as the main risk, it's vital that prescription safety eyewear comprises lenses made of polycarbonate.



Unbeknown to many, CR39 - commonly used by high street opticians in standard prescription eyewear - only conforms to EN166 S or unmarked under EN ISO 16321-1:2022 and, therefore, does not fulfil the requirements for impact protection within the industrial workplace.

Not only are standard prescription spectacles not suitable, some prescription safety eyewear is also made using CR39 which is why it's important to align with a manufacturer that ensures the appropriate lens material is selected based on workplace hazards.

The uvex offer

- ✓ uvex prescription safety spectacles are not only individually adapted to the wearer's vision, they are also certified and marked in accordance with EN166. They can be used in workplaces where safety eyewear is mandatory, providing the same level of protection as those wearing safety glasses.
- ✓ Our eyewear also protects against UV radiation and comes with a scratch-resistant coating, storage case and cleaning cloth as standard, to offer a cost-effective solution for the industrial workplace.
- ✓ uvex offers optional coatings, such as a hard anti-reflective coating and long-lasting anti-fog solutions to ensure employees that are exposed to glare, reflections or humidity can achieve better visual clarity and comfort, resulting in less strain and fatigue on the wearer.

Prescription online ordering process



uvex's online ordering system allows customers to order prescription eyewear quickly and easily. The automated system enables approved personnel (Authorising Officers) to:

- ✓ generate a form quickly: for print or to be emailed to an employee
- ✓ create and track the status of new prescription orders as they move through the manufacturing process: from when the Authorising Officer generates the form, through to the order being despatched to the optician and finally, the invoice
- ✓ review historical orders and run user reports







The Optician's Portal

This is a great advantage to the flow and speed of the order process and will give employees a better experience when they visit the optician.

If an employee chooses a frame or a lens type which is not on your pre-approved list for selection, the optician can advise the employee straightaway. The employee will then have a choice to either choose something from the pre-approved list or to continue with the order.

If they choose the latter, uvex will seek approval as necessary. Orders will be placed on hold until approval is granted.

Once registered your Optician will be able to:

-  See the approved frames for your employees
-  Review and complete all fields to ensure timely processing
-  Submitted orders will go straight into production. Delays will only occur if there is a query with the order e.g. obtaining approval for non-standard items
-  Check the status of the order at any point once in production and advise the employee accordingly



Another advantage of the optician's portal is that uvex will be able to pay the optician for the dispensing and sight test fees by BACS payment, saving administration time and providing increased traceability.



For more information about the uvex prescription online ordering process, visit uvex-safety.co.uk/prescription or to speak to a member of our prescription team call 01252 725552 or email help-prescription@uvex.co.uk.



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protecting people