



Head & Face Protection



Take your safety personally

3M, the world's leader in safety and protective equipment, is proud to have the Peltor™ Brand as part of its product offering.



With more than 50 years of experience, the Peltor™ Brand promises superior quality products that provide an optimal balance of comfort and protection.



It is our goal is to ensure that we satisfy your needs through the provision of exceptional leadership, expertise, quality and service excellence. With our global technology, manufacturing and knowledge network we do more than simply develop products that help your workforce to operate in safety and comfort. The advanced engineering and technology inherent with the Peltor™ brand fits with the high standard of quality and innovation of a continuously evolving range of product solutions that you, our customers, come to expect from 3M.

Protection all the way

Our mission is to help protect people at work, at home, for life. We believe that health and safety is the priority in any working environment and that greater comfort improves worker protection, resulting in enhanced productivity and safety compliance.

Long lasting innovations

To deliver on our commitment requires a culture of accountability, customer inspired innovation, knowledge and expertise, fuelled by a deep understanding of our customer needs. The Peltor™ Brand, trusted as a leader in head & face protection, offers a range of safety helmets, visors and accessories for people exposed to hazardous environments. The products provide integrated combinations, optimal fit capability with Peltor™ Hearing Protectors and the new and unique Peltor™ Uvicator™ Technology.

Working together

3M is more than just products. We work closely with distributors, safety professionals and companies to protect employees exposed to hazardous environments. With offices around the world, 3M can help our customers succeed everywhere.

Partnership in safety

Many renowned companies have chosen Peltor™ Products for optimum safety at work. With customised printing, embossing and other solutions, our products can also help enhance the value of your brand.





HEAD PROTECTION

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Peltor™ Uvicator™ Technology for safer working conditions

The service life and protective aspect of a safety helmet is affected by physical or chemical damage, and UV-radiation from the sun. Whilst physical damage, caused by blows to the helmet shell or exposure to aggressive chemicals is readily visible, damage caused by UV-radiation is difficult to detect.

When a safety helmet is exposed to sunlight the stability of the plastic shell may be adversely affected due to interaction between sunlight and plastic material which may weaken the helmet and compromise safety of the wearer. The adverse effect is dependent not only on the nature of the plastic material but also intensity of sunlight.

All too often damage to the helmet shell may not be visible to the naked eye.

To lessen this risk manufacturers often rely on general guidelines on usage, storage and replacement irrespective of period of exposure to sunlight. In line with good safety practice the user has to keep a close tab on how the helmet is used and for how long resulting in unnecessary disposal of 'good' helmets.

With the new Peltor™ Uvicator™ Technology there is now an accurate and easy way to assess integrity and safety of the helmet related to UV-radiation without the added cost of unnecessary replacement by simply looking for colour change.

Red, the new sign of safety.

The Peltor™ Uvicator™ Technology is intended to help show the user easily and clearly when his/her helmet has been over-exposed to UV-radiation and thus when to replace it. This new technology is the result of many years of full scale and artificial ageing testing of different material combinations under various sunlight exposure conditions.

A circular shaped disc, based on the Peltor™ Uvicator™ Technology, is strategically placed slightly below the highest point of the helmet. This location has been carefully selected to optimize the measurement of sunlight exposure under normal working conditions when the head slightly leans forward.

As the helmet is exposed to sunlight, the disc is calibrated to detect the amount of UV radiation received and gradually changes colour over time, clockwise, from red to white. When the disc turns completely white, it means that the helmet has received maximum tolerable radiation and therefore needs to be replaced.

To allow that the Peltor™ Uvicator™ Technology is fully functioning, ensure that the indicator disc is free from stickers and labels.



Measures exposure to UV radiation



Technically calibrated and tested



Works globally in most environments



Tells you when to replace your helmet



Peltor™ G2000 Solaris™ Helmet

Attractive design and excellent protection! That's the easiest way to summarise the Peltor™ G2000 Solaris™ Helmet. The helmet goes well beyond the requirements for formal testing and is comfortable with its low back and relatively low profile.

It was designed to accommodate additional accessories, such as integrated eyewear, visor and hearing protection.

Fully compliant with EN 397, with the following additional approvals:

- Peltor™ G2000* Solaris™ Helmet
low temperature, -30°C, lateral deformation, LD and molten metal, MM
- Peltor™ G2001* Solaris™ Helmet
(not ventilated): low temperature, -30°C, lateral deformation, LD, molten metal, MM, and electrical insulation, 440Vac.
- Peltor™ G2001* Solaris™ 1000V Helmet
same as G2001 with additional approval against EN50365, a 1000-volt test.

Material: UV-stabilised ABS.

Colours: Grey, yellow, white, orange, red, blue and green

Weight: 340 g

Size: 54-62 cm

Features and Benefits:

Ventilation

For comfort, good ventilation is a must, particularly in warm environments. The Peltor™ G2000 Solaris™ Helmet allows free airflow between the helmet and its harness. Combined with ventilation inlet in the top of the helmet, this helps to increase wearer's acceptance.

Peltor™ Uvicator™ Technology

The disc tells you when it's time to replace your helmet.

Neck protection

Extended edge on the back of the helmet provides extra protection for the sensitive neck area.

Headband

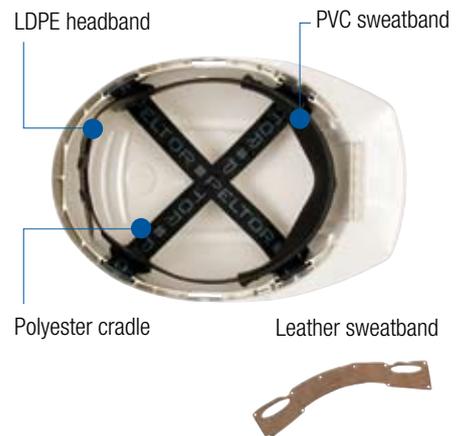
This important feature determines how steadily the helmet sits on the head. Easy to adjust.



NEW!

Ratchet headband

For easier and quicker adjustment.



LDPE headband

PVC sweatband

Polyester cradle

Leather sweatband

Optional space for customised print

A flat surface for printing a logotype or brand name.

Sweatband

Easy to replace for highest comfort and hygiene. Also available in soft leather.

Attachment point for accessories

An adjustable snap attachment in the balance point of the helmet to allow simple attachment of accessories, such as muffs, headsets and visors

Optimal profile for ear muffs

The Peltor™ G2000 Solaris™ Helmet features a special profile design to enable helmet mounted ear muffs to achieve optimal fit and maximum adjustability for individual needs.





Peltor™ G3000 Solaris™ Helmet

The Peltor™ G3000 Solaris™ Helmet has been designed in close collaboration with forestry and industrial workers. It is intended for use in harsh environments with tough demands for effective protection, excellent ventilation and a maximum field of vision.

The unique characteristics of the Peltor™ G3000 Solaris™ Helmets are:

Offers excellent protection and fully approved against EN 397, with the following additional approvals:

- Peltor™ G3000* Solaris™ Helmet
low temperature, -30°C, and molten metal, MM
- Peltor™ G3001* Solaris™ Helmet
(unventilated): low temperature, -30°C, molten metal, MM, and electrical insulation 440Vac,
- Peltor™ G3001* 1000V Solaris™ Helmet
(unventilated): same as G3001 with additional approval according to EN50365, a 1000-volt test
- Peltor™ G3000*-10* Solaris™ Helmet
(with lamp and cord holder) low temperature, -30°C and molten metal, MM

Material: UV-stabilised ABS

Colours: Grey, yellow, white, orange, red, blue and green

Weight: 310 g

Size: 54-62 cm

Features and Benefits:

NEW!

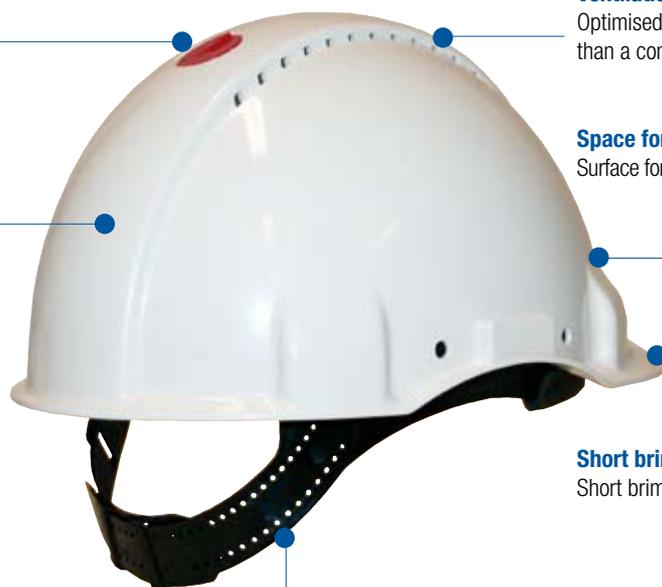
The Peltor™ G3000 Solaris™ Helmet with Uvicator™ Sensor.

Uvicator™ Sensor

The disc tells you when it's time to replace your helmet.

Slim design

Softly rounded design to reduce the risk of helmet parts snagging on branches etc.



Ventilation

Optimised ventilation with more ventilation holes than a conventional ventilated helmet.

Space for company name

Surface for printing a logotype, brand name, etc.

Short brim

Short brim giving a broader field of view.

Reversible lining

Lining that can be rotated 180° allow the helmet to be worn back-to-front which is ideal, for example, when working in tight spaces or climbing.

Peltor™ G3000 Solaris™ Helmet with lamp attachment

The Peltor™ G3000 Solaris™ Helmet is also available with a stainless steel lamp attachment, which can be fitted with a cloth cord holder at the back of the neck.

Peltor™ G3000 Solaris™ Hi-Viz Helmet

The Peltor™ G3000 Solaris™ Hi-Viz Helmet is a safety helmet with the same properties as the Peltor™ G3000 Solaris™ Helmet but for users who want to be extra visible at work.

The helmet has the same protection class as the standard-version Peltor™ G3000 Solaris™ Helmet.





Peltor™ Helmet Combinations

3M offers a wide range of Peltor™ Helmet Combinations, tailored for specific needs.

Here are two examples:

The Peltor™ Forestry Combination

Effective protection for the head, face and hearing.
Equipped with a visor for the best possible visibility.

The Peltor™ Forestry Combination includes:

- Peltor™ G3000C OR (orange) Helmet
- Peltor™ V4CK Mesh Visor
- Peltor™ H31P3E Hearing Protector
- Peltor™ GR3C Rain Protector



G300COR31V4C

The Peltor™ Industry Combination

The dielectric combination is specially designed
for work in electrical environments.
Protects against short-circuit electric arcs.

The dielectric combination includes:

- Peltor™ G2001 (1000V) Helmet
- Peltor™ H31P3K-01 Hearing Protector
- Peltor™ V4H Clear Visor



G2001D**3101V4H

Short-circuit test



The Peltor™ Helmet Combination is placed
300 mm from the short-circuit centre.



The power of the short-circuit is 11 kA,
and the powerful explosion generates both
gas and melted copper.



The melted copper causes significant
damage to the helmet combination.



Despite the extreme test, the dielectric
combination protects the wearers face from
serious injury.

Peltor™ Helmet Accessories

A variety of accessories are available to adapt Peltor™ Helmets to individual needs. Like all Peltor™ Products, the accessories are designed to work together without compromising protection. This is a necessity for good protection with high comfort.



GLF-B



GR2B



HYG4



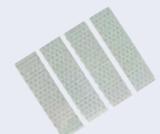
HYG3



G2E



GH4



FP8228/1



P3*

Peltor™ Helmet accessories and spare parts

- GH1 Peltor™ Chinstrap for Peltor™ G22/G3000 Solaris™ Helmet
- GH2 Peltor™ Chinstrap for Peltor™ G2000 Solaris™ Helmet
- GH4 Peltor™ Chinstrap for Peltor™ G3000 Solaris™ Helmet
- G2E Peltor™ Strap for 6-point lining for Peltor™ G2000 Solaris™ Helmet
- HYG3 Peltor™ Standard Sweatband for all Peltor™ Helmets
- HYG4 Peltor™ Leather Sweatband for all Peltor™ Helmets
- GLF Peltor™ Lamp and Cord Holder for Peltor™ G2000 Solaris™ Helmet
- GLF-B Peltor™ Safety Glasses Holder for Peltor™ G2000 Solaris™ Helmet
- V6* Peltor™ Integrated Glasses for all Peltor™ Helmets
- GR3C Peltor™ Rain Protector for all Peltor™ Helmets
- GR2B Peltor™ Visor Seal for Peltor™ V1* and V2* Visors
- FP8228/1 Peltor™ Reflex for all Peltor™ Helmets
- Goggles 3M™ Farenheit™ Goggles for Peltor™ G3000 Solaris™ Helmet, see page 9

Helmet mounted Earmuffs



H510P3*
Peltor™ Optime™ I
Earmuff



H520P3*
Peltor™ Optime™ II
Earmuff



H540P3*
Peltor™ Optime™ III
Earmuff



H31P3*
Peltor™ H31™
Earmuff

Visor parts for helmet

- P3*/V/2 Peltor™ Helmet attachment for Peltor™ Visor
- V412 Peltor™ Linkage kit



Peltor™ Integrated Eyewear

The integrated lightweight eyewear is easy to attach to the lining of Peltor™ Helmets. The unique design allows the glasses to slide easily between the helmet shell and lining. They feature several flexible joints to allow for individual adjustment. The integrated eyewear fits closely to the wearer's cheeks, providing excellent protection from particles and dust and are approved according to EN166.

Available in: clear, yellow and grey lenses.



V6E



V6C



V6B



3M™ Fahrenheit™ Goggles for the Peltor™ G3000 Solaris™ Helmet

With a frame of soft, transparent PVC for an excellent fit, the Peltor™ Fahrenheit™ Goggles can easily be worn over prescription glasses. The lens is made of impact-resistant acetate that is anti-fog and anti-scratch treated. The Peltor™ Fahrenheit™ Goggle is EN166 approved.



Face Protection

Better comfort for greater safety

We offer a wide range of face protection products for a variety of applications.

The Peltor™ Multisystem provides a convenient, comfortable and versatile solution to wearers who require both face and hearing protection. It has been specifically designed to be used with our Peltor™ Passive and Communication Earmuffs to ensure excellent compatibility and maximum convenience.

The 3M™ H-Series Headgear is a robust, easy-to-use stand-alone face protection system that is available with a range of visors to meet the requirements of most industrial applications.

Our product offering also includes a complete range of mesh and clear visors to be used in combination with Peltor™ Safety Helmets.

These products have been designed with outstanding quality in mind. This results in excellent protection against impacts from the front and the side.

When developing products, special attention is also paid to ensure maximum visibility and greater wearer comfort.

For example, some of our Peltor™ Clear Visors offer a generous 90% light penetration, which is higher than an ordinary window glass. Similarly, our latest Peltor™ Mesh Visor provides a uniquely low light reduction of 25%.



Peltor™ V40 Multisystem (V40CH31A 300)

Peltor™ V40 Multisystem

The Peltor™ V40 Multisystem is specially designed to be combined with hearing protectors or a built-in communication system. A practical, convenient solution for face and hearing protection where no helmet is needed.

The wide range of visors and hearing protectors allows for many combinations. The system can be adapted as needed, boosting safety, enjoyment and comfort. The Peltor™ V40 Multisystem is perfect for the manufacturing industry, agriculture or park work. Easy to install on all Peltor™ Hearing Protectors with a headband. The Peltor™ Visors are CE-approved.

Features and Benefits:

Unique forehead shield

Extends well over the forehead and reduces the risk of foreign particles penetrating from above.

Shade from the peak

Improves visibility and reduces the likelihood of rainwater or dirt sticking to the visor.

Effective protection

The visor is angled towards the chin and is swept back towards the ears, providing maximum face protection.



Simple installation

Clips conveniently into place on the hearing protector's headband.

Flip-up

A function which makes it easy to flip the visor up or down quickly and simply.

High comfort

Peltor™ Hearing Protectors feature soft, comfortable sealing cups and distinct band design which increases wearer acceptability.



Peltor™ V40 Multisystem

Peltor™ Industrial Multisystem

Used as a splash guard in industrial activities such as grinding and cleaning.

The Peltor™ Multisystem includes:

- Peltor™ H510A Hearing Protector
- Peltor™ V40F Polycarbonate Visor
- Peltor™ Snap-in replacement Visor
- Slimline and flip-up function
- Weight 130 g



V40FH510A-401-GU

Peltor™ Forestry Multisystem

Used in clearing and edge trimming with power equipment.

The Peltor™ Multisystem includes:

- Peltor™ H31A Hearing Protector
- Peltor™ V40C Visor, stainless steel mesh
- Peltor™ Snap-in replacement Visor
- Slimline and flip-up function
- Weight 115 g



V40CH31A 300

Peltor™ Visor Combinations for V40 Multisystem

- Peltor™ V40A Visor, steel mesh
- Peltor™ V40C Visor, stainless steel mesh
- Peltor™ V40J Visor, SV Etched stainless steel
- Peltor™ V40D Visor, cellulose acetate, clear anti-fog
- Peltor™ V40E Visor, green polycarbonate
- Peltor™ V40F Visor, clear polycarbonate

Peltor™ Spare parts for V40 Multisystem

- Peltor™ V413 Linkage kit
- Peltor™ V431 Shield with forehead protector
- Peltor™ 4C Visor, steel mesh
- Peltor™ 4A Visor, steel mesh
- Peltor™ 4J SV Visor, etched stainless steel
- Peltor™ 4D Visor, cellulose acetate, clear anti-fog
- Peltor™ 4F Visor, polycarbonate, clear

For more information, see page 20

Peltor™ Mesh Visors

Mesh visors give effective protection and have long durability. The Peltor™ etched stainless steel visors are extremely durable with greater safety, comfort and visibility in working mode. The mesh visors are designed to fit Peltor™ Industrial Safety Helmets.

The polyamide visor is extremely light and does not conduct electricity. All mesh visors are tested and approved under the European Standard EN 1731 and meet the requirements for increased robustness (S marking).



Peltor™ V1A Mesh Visor

- Made from steel with a matt finish.
- Optimum design ensures excellent strength and stability.
- A visor for extremely harsh working environments.

Steel mesh: $\emptyset 0.3$ 1.8 x 1.8 mm

Light reduction: 35%. Weight: 75 g.



Peltor™ V1B Mesh Visor

- Made from black polyamide with a matt finish.
- Very lightweight and non-conductive

Polyamide mesh: $\emptyset 0.3$ 1.0 x 1.0 mm

Light reduction: 45%. Weight: 65 g.



Peltor™ V1C Mesh Visor

- Made from stainless steel with a matt finish.
- Uniquely low light reduction.
- Excellent stability, even after long use.

Stainless steel mesh: $\emptyset 0.24$ 1.8 x 2.5 mm

Light reduction: 25%. Weight: 65 g.



Peltor™ V4A/V4AK Mesh Visor

- Made from steel with a matt finish.
- The design ensures excellent strength and stability.
- A visor for extremely harsh working environments.

Steel mesh: $\emptyset 0.3$ 1.8 x 1.8 mm. Light reduction: 35%. Weight: 90 g.



Peltor™ V4B/V4BK Mesh Visor

- Made from black polyamide with a matt finish.
- Extremely lightweight and non-conductive – a necessary feature in some environments (e.g. working with electric power cables).

Polyamide mesh: $\emptyset 0.3$ 1.0 x 1.0 mm. Light reduction: 45%. Weight: 70 g.



Peltor™ V4C/V4CK Mesh Visor

- Made from stainless steel with a matt finish.
- Uniquely low light reduction, thanks to the rectangular grid providing excellent protection from flying chips and splinters.
- Excellent stability, even after long use.
- The rectangular grid provides excellent protection from flying chips and splinters.

Stainless steel mesh: $\emptyset 0.24$ 1.8 x 2.5 mm. Light reduction: 25%. Weight: 80 g.



Peltor™ V4J SV/V4JK SV Mesh Visor

- Stainless steel etched mesh visor with a matt finish.
- Maximum visibility with no obstructions in the field of vision, so you can work freely with added protection from sawdust.
- Optimal mesh design for enhanced stability and protection.

Etched stainless steel mesh: 0.15 mm.

Light reduction, min: 18%. Light reduction, max: 40%. Weight: 80 g.

Peltor™ Clear Visors

The clear visor provides effective splash protection from the front and side, while the forehead shield and the angle of the visor minimise reflections that causes unwanted glare. The cellulose acetate visor is anti-fog treated on both sides for maximum visibility. The polycarbonate visor offers excellent impact and scratch resistant properties and comes in light-filtering and dielectric version that protects against electric arcs.

Tested and approved according to European Standard EN 166.

The clear visors are designed to fit Peltor™ Industrial Safety Helmets.

The visor meets the requirements for low-energy impact protective shields.



Peltor™ V2A Clear Visor

- Colourless transparent visor.
- Made from cellulose acetate, offering high chemical resistant properties highly resistant to chemicals.
- The visor has good optical properties and is anti-fog treated on both sides.

Material: Anti-fog cellulose acetate. Temperature range: -40°C to +100°C.

Thickness: 1 mm. Weight: 120 g



Peltor™ V2C Clear Visor

- Excellent impact-resistant colourless transparent visor.
- Made from high quality polycarbonate, which features good impact and scratch resistant properties.
- Lets 90% of the light through – better than window glass.

Material: Polycarbonate. Temperature range: -40°C to +130°C

Thickness: 1 mm. Weight: 110 g



Peltor™ V4D/V4DK Clear Visor

- Colourless visor.
- Made from cellulose acetate, which is highly resistant to chemicals.
- The visor has good optical properties and is anti-fog treated on both sides.

Material: Anti-fog cellulose acetate. Temperature range: -40°C to +100°C

Thickness: 1 mm. Weight: 120 g



Peltor™ V4F/V4FK Clear Visor

- Excellent impact-resistant colourless visor.
- Made from high quality polycarbonate, offering high impact and scratch resistant protection.

Material: Polycarbonate. Temperature range: -40°C to +130°C

Thickness: 1 mm. Weight: 110 g



Peltor™ V4H/V4HK Clear Visor

- Extremely impact resistant visor, anti-fog treated.
- The material is extra-thick polycarbonate, which is highly impact and scratch resistant.
- Approved for protection against short-circuit electric arcs.

Material: Polycarbonate. Temperature range: -40°C to +130°C

Thickness: 1.2 mm. Weight: 120 g



Peltor™ V4K Clear Visor

- Like the V4HK, but a larger model, giving a greater area to protect against splashes, flying particles etc.

Material: Polycarbonate. Temperature range: -40°C to +130°C

Thickness: 1.2 mm. Weight: 180 g



Peltor™ V4E/V4EK Green Visor

- Green polycarbonate visor.
- Made from polycarbonate for the best possible impact and scratch resistance.
- Ideal for use in gas soldering and in smelting plants.

Material: Polycarbonate, green. Light reduction: 70%

Temperature range: -40°C to +130°C. Thickness: 1 mm. Weight: 110 g

3M™ Face Protection



3M™ H4 Headgear

The durable thermoplastic visor attachment is impact resistant and can be used in a wide range of temperatures. In addition to the easy pinlock closure on the plastic headband, the 3M™ H4 Headgear has an easy visor-replacement system and a head strap with five positions for additional support and comfort.

Colour: Grey

High strength thermoplastic crown to provide impact protection over a wide range of temperatures

Pin-lock closing adjustment on the plastic headband

5 positions crown strap for additional support and comfort



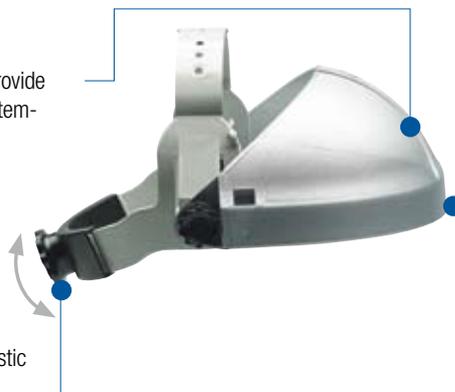
Easy change™ replacement system

3M™ H8 Headgear

The same visor attachment as the 3M™ H4 Headgear, but with a precision locking device on the head strap for a comfortable, close fit.

High strength thermoplastic crown to provide impact protection over a wide range of temperatures

Precision ratchet adjustment on the plastic headband for a comfortable snug fit



Easy change™ replacement system

3M™ Visor WP Series Visors

The 2 mm thick, clear polycarbonate visor with dimensions of 230 x 370 mm provides excellent protection against impacts (heavy mechanical work), fluids and heat. The shield goes inside the attachment for extra support.

WP96: 2 mm clear polycarbonate visor (230 x 370 mm)
Protects against high speed impacts and fluid splashes.

WP98: 2 mm clear acetate visor (230 x 370 mm)
Protects against impacts, fluid and chemical splashes.

WP99: 1.5 mm clear anti-fog acetate visor (230 x 370 mm)
Protects against impacts, fluid and chemical splashes.
Ideal in hot environments (anti-fog treated).



Product	Visor type	Coating	Filter
WP96	PK-clear	-	UV
WP98	Acetate-Clear	-	UV
WP99	Acetate-Clear	-	UV

3M™ WP96M Visor

Wrap-around mesh visor for use in hot environments (230 x 370 mm).
Specially designed to protect the face in conditions where maximum ventilation is a must (foundries, etc).
Meets to EN 1731.



3M™ WP96 Welding Visor

2 mm polycarbonate visor that protects against UV, IR and bright light from gas welding. Available in shade 3 and 5. (size 230 x 370 mm).



Product	Visor type	Coating	Filter
WP96 IR 3.0	PC-IR 3.0	Hardium	Welding
WP98 IR 5.0	PC-IR 5.0	Hardium	Welding

3M™ Helmets and Headgear

Facts and Figures

Product code Helmets & Headgear	Shell Material	Sweatband	Weight	Temperature Range (C)	European Standard	Marking / Class
G2000C **	ABS	Synthetic	340 g	-30° to +50°	EN397	-30°, LD, MM,
G2000D **	ABS	Leather	340 g	-30° to +50°	EN397	
G2001C **	ABS	Synthetic	340 g	-30° to +50°	EN397	-30°, LD, MM, 440 vac
G2001D **	ABS	Leather	340 g	-30° to +50°	EN397	
G2001D ** 1000V	ABS	Leather	340 g	-30° to +50°	EN397	-30°, LD, MM, 440 vac, 1000V marking according to EN50365
G3000C **	ABS	Synthetic	310 g	-30° to +50°	EN397	-30°, MM
G3000D **	ABS	Leather	310 g	-30° to +50°	EN397	
G3001C **	ABS	Synthetic	310 g	-30° to +50°	EN397	-30°, MM, 440 vac
G3001D **	ABS	Leather	310 g	-30° to +50°	EN397	
G3001D ** 1000V	ABS	Leather	310 g	-30° to +50°	EN397	-30°, MM, 440 vac, 1000V marking according to EN50365
G3000C-10 **	ABS	Synthetic	330 g	-30° to +50°	EN397	-30°, MM
G3000D-10 **	ABS	Leather	330 g	-30° to +50°	EN397	
82500-00000CP	Polyester / ABS blend	Synthetic	190 g	-30° to +90°	EN166	AOS 3.9.B
82501-00000CP	Polyester / ABS blend	Synthetic	220 g	-30° to +90°	EN166	AOS 3.9.B

Product code Visor & Eyewear	Mesh/Clear	Material & Treatment	VLT (Visible light transmittance)	Thickness	Size mm (w x h), incl. frame if applicable	European Standard	Marking / Class
82701-00000CP	Clear	PC	92%	2.0 mm	370 x 230	EN166	2C-1,2 AOS 1. B. 9
71340-00000CP	Clear	CA	92%	1 mm	370 x 230	EN166	2C-1,2 AOS 1. F
71341-00000CP	Clear	CA Hardium + Anti-fog	92%	1 mm	370 x 230	EN166	2C-1,2 AOS 1. F
82544-00000	Mesh	Steel mesh	n/a	n/a	370 x 230	EN1731	AOS EN1731 F
82545-00000	Clear	PC	82%	1.5 mm	370 x 230	EN166	2C-1,2 AOS 1. B. 9
82546-00000	Green	PC Hardium	15%	2.0 mm	370 x 230	EN166	3. AOS 1. B.9
82547-00000	Green	PC Hardium	2%	2.0 mm	370 x 230	EN166	S. AOS 1. B.9
V6B	Grey	PC Anti-fog Anti-scratch	22%	2.0 mm	n/a	EN166	Link: F Lens: 5-3,1 AOS 1F
V6C	Amber	PC Anti-fog Anti-scratch	87%	2.0 mm	n/a	EN166	Link: F Lens: 2-1,2 AOS 1F
V6E	Clear	PC Anti-fog Anti-scratch	92%	2.0 mm	n/a	EN166	Link: F Lens: 2-1,2 AOS 1F
71360-00007	Clear	Cellulose Acetate & Foam Anti-fog Anti-scratch	92%		n/a	EN166	2C-1,2. AOS. 1 . BT . 9

*B=6 mm steel ball (0,83g) & 120 m/s, medium energy impact
*F=6 mm steel ball (0,83g) & 45 m/s, low energy impact

Marking / Explanation	Typical Application	Spare parts/Accessories	Colours	RAL	PMS
"-30°" Low temperature, "LD" Lateral Deformation, "MM" Molten Metal	Industry, construction, when lateral strength is required, forestry	GLF Lamp and cable holder GLF-B Holder for safety glasses GH2 Chinstrap V6* Integrated eyewear	BB Blue GP Green GT Grey GU Yellow	5015 6029 7001 1018	2070-B 3070-G10Y 3502-B 0080-Y10R
"-30°" Low temperature, "LD" Lateral Deformation, "MM" Molten Metal, "440 vac" Electrical insulation	Industry, electrical work, when lateral strength is required	HYG3 Sweatband plastic (standard) HYG4 Sweatband leather G2E Band for six point harness GR3C Rainshield GR2B Visor seal	OR Orange RD Red VI White	2004 3000 9010	0090-Y60R 1090-R 0502-Y
"-30°" Low temperature, "LD" Lateral Deformation, "MM" Molten Metal, "440 vac" Electrical insulation, "EN50365" For use at low voltage installations	Industry, electrical work, when lateral strength is required				
"-30°" Low temperature, "MM" Molten Metal	Forestry, industry, construction	GH1 Chinstrap GH4 Chinstrap V6* Integrated eyewear	BB Blue GP Green GT Grey	5015 6029 7001	2070-B 3070-G10Y 3502-B
"-30°" Low temperature, "MM" Molten Metal, "440 vac" Electrical insulation	Industry, electrical work	HYG3 Sweatband plastic (standard) HYG4 Sweatband leather G2E Band for six point harness	GU Yellow OR Orange RD Red	1018 2004 3000	0080-Y10R 0090-Y60R 1090-R
"-30°" Low temperature, "MM" Molten Metal, "440 vac" Electrical insulation, "EN50365" For use at low voltage installations	Industry, electrical work	GR3C Rainshield GR2B Visor seal Fahrenheit googles	VI White GB Hi-Viz	9010 -	0502-Y 0070-G60Y
"-30°" Low temperature, "MM" Molten Metal	When good ventilation and lamp-attachment are required				
"3" Protection against liquids (droplets or splashes) "B" Requirement for protection against high speed particles "9" Protection against Molten Metals and Hot Solids	Mechanical work, chemical work, metallurgy, welding				

Marking / Explanation	Typical Application
"1" Optical class for light refraction (1, 2 or 3). 1 is the best level	Mechanical work
"1" Optical class for light refraction (1, 2 or 3). 1 is the best level "F" Requirement for protection against high speed particles*	Mechanical and chemical work
"F" Requirement for protection against high speed particles*	Furnace
"1" Optical class for light refraction (1, 2 or 3). 1 is the best level	Mechanical and chemical work
"3" & "5" Code for anti-dazzle filter w/o infrared specification "3" = Ultraviolet filter with good colour recognition "5" = Sunglare filter without infrared specification	Welding
Link: "F" Requirement for protection against high speed particles* Lens: "5" Sunglare filter without infrared specification "3,1" Shade number, dark grey, dark bronze or mirror	Mechanical and outdoor work
Link: "F" Requirement for protection against high speed particles* Lens: "2" Ultraviolet filter, good colour recognition.	Mechanical work
"2C-1.2" Ultraviolet filter, good colour recognition "1" Optical class for light refraction (1, 2 or 3). 1 is the best level "B" Requirement for protection against high speed particles	Mechanical and outdoor work

3M™ Helmets and Headgear

Facts and Figures

Visor Product code	Type	Material*	Light reduction %	Anti-fog	Thickness	Size mm (w x h) incl. frame if applicable	Weight	Temperature Range (C)	European Standard	Marking Class
V2A	Clear	CA	10	Yes	1.0 mm	310 x 210	120 g	-40° to +100°	EN166	1F
V4D/V4DK	Clear	CA	10	Yes	1.0 mm	320 x 155	120 g	-40° to +100°	EN166	2F
V40D	Clear	CA	10	Yes	1.0 mm	320 x 155	140 g	-40° to +100°	EN166	2F
V4E/V4EK	Green	PC	70		1.0 mm	320 x 155	110 g	-40° to +130°	EN166	5 - 2F
V40E	Green	PC	70		1.0 mm	320 x 155	130 g	-40° to +130°	EN166	5 - 2F
V2C	Clear	PC	10		1.0 mm	310 x 210	110 g	-40° to +130°	EN166	1F
V4F/V4FK	Clear	PC	10		1.0 mm	320 x 155	110 g	-40° to +130°	EN166	1F
V40F	Clear	PC	10		1.0 mm	320 x 155	130 g	-40° to +130°	EN166	1F
V4H/V4HK	Clear	PC	10		1.2 mm	320 x 155	120 g	-40° to +130°	EN166	3 - 1, 2 8 9 1F
V4K	Clear	PC	10		1.2 mm	455 x 247	180 g	-40° to +130°	EN166	3 - 1, 2 8 9 1F
Visor Product code	Type	Material*	Light reduction %	Mesh size	Thickness	Size mm (w x h) incl. frame if applicable	Weight	Temperature Range (C)	European Standard	Marking Class
V1A	Mesh	Black painted steel mesh	35	1.8x1.8 mm		280 x 160	75 g	n/a	EN1731	S
V4A/V4AK	Mesh		35	1.8x1.8 mm		330 x 155	90 g	n/a	EN1731	S
V40A	Mesh		35	1.8x1.8 mm		330 x 155	110 g	n/a	EN1731	S
V1B	Mesh	Black polyamide mesh	45	1.0x1.0 mm		280 x 160	65 g	n/a	EN1731	S
V4B/V4BK	Mesh		45	1.0x1.0 mm		330 x 155	70 g	n/a	EN1731	S
V1C	Mesh	Black painted stainless steel mesh	25	1.8x2.5 mm		280 x 160	65 g	n/a	EN1731	S
V4C/V4CK	Mesh		25	1.8x2.5 mm		330 x 155	80 g	n/a	EN1731	S
V40C	Mesh		25	1.8x2.5 mm		330 x 155	115 g	n/a	EN1731	S
V4J SV/ V4JK SV	Mesh (etched)	Black painted etched stainless steel	18 / 40	n/a	0.15 mm	330 x 155	80 g	n/a	EN1731	S
V40J SV	Mesh (etched)		18 / 40	n/a	0.15 mm	330 x 155	115 g	n/a	EN1731	S

*CA = Cellulose acetate, chemical resistant and anti-fog

*PC = Polycarbonate, scratch and impact resistant

*F = 6 mm steel ball (0.83 g) & 45 m/s, low energy impact

*S = Mechanical requirements, high strength

Marking / Explanation*	Typical Application	Spare parts
"1" Optical class for light refraction (1, 2 or 3). 1 is the best level "F" Requirement for protection against high-speed particles*	Work where the user risks to be exposed to solid particles projectiles, for example metal or wood Work with chemicals	
"2" Optical class for light refraction (1, 2 or 3). 1 is the best level "F" Requirement for protection against high-speed particles*		V43 / V46 visorholder V412 linkage kit 4D spare screen
		V431 visorholder V413 linkage kit 4D spare screen
"5" Code for anti-dazzle filter w/o infra-red specification ("5" = Sunglare filter without infrared specification) "2" Optical class for light refraction (1, 2 or 3). 1 is the best level "F" Requirement for protection against high-speed particles*	For gas soldering and at furnace	V43 / V46 visorholder V412 linkage kit 4E spare screen
		V431 visorholder V413 linkage kit 4E spare screen
"1" Optical class for light refraction (1, 2 or 3). 1 is the best level "F" Requirement for protection against high-speed particles*	Excellent resistance against scratches and impacts makes this visor perfect for grinding and metal cutting	-
		V43 / V46 visorholder V412 linkage kit 4F spare screen
		V431 visorholder V413 linkage kit 4F spare screen
"3-1.2" Ultraviolet filter, good colour recognition. "8" Protection against Short Circuit Electric Arc. "9" Protection against Molten Metals and Hot Solids "1" Optical class for light refraction (1, 2 or 3). 1 is the best level) "F" Requirement for protection against high-speed particles*	Electrical work, work where the user is exposed to molten metal splashes and hot solids	V43 / V46 visorholder V412 linkage kit 4H spare screen
	See V4H / V4HK. An extra wide protection giving the user a full face protection but also less mobility	V46 visorholder V412 linkage kit 4K spare screen
Marking / Explanation	Typical Application	Spare parts
"S" Mechanical requirements*	Forestry & gardening	-
		V43 / V46 visorholder V412 linkage kit 4A spare screen
		V431 visorholder V413 linkage kit 4A spare screen
"S" Mechanical requirements*	Forestry, gardening & electrical work	-
		V43 / V46 visorholder V412 linkage kit 4B spare screen
"S" Mechanical requirements*	Forestry & gardening	-
		V43 / V46 visorholder V412 linkage kit 4C spare screen
		V431 visorholder V413 linkage kit 4C spare screen
"S" Mechanical requirements*	Forestry & gardening	V43 / V46 visorholder V412 linkage kit 4J SV spare screen
		V431 visorholder V413 linkage kit 4J SV spare screen



Peltor™ G2000 Solaris™ Helmet with Lite-Com™ Pro Headset

More safety from one source

Since 2008, renowned Peltor™ and E-A-R™ products significantly broaden 3M's range of hearing, eye, face and head protection products. You will benefit from the combined forces of companies who have been setting standards worldwide in the occupational health field. Protect yourself and your employees better than before with professional occupational health solutions that meet all your requirements, which are perfectly tailored to your individual applications.

A safe bet for even better performance

This new portfolio of 3M Company presents a huge advantage for you as customer and user because by joining forces we will be able to develop even better and more comfortable personal protective equipment solutions. This translates to enhanced protection, more comfort and increased productivity. Quality, innovation and know-how will continue to be the distinguishing features of every one of our products – for increased safety and ease of use.

To answer any questions you may have related to occupational health, the contacts you already know will continue to be available to you with the same good service you have become accustomed to.

Diverse range of personal protective equipment*

The combined portfolio of 3M™, Peltor™ and E-A-R™ Personal Protective Equipment includes high-quality, innovative solutions to protect people at work.

Here are some examples:

Respiratory protection



Hearing protection



Eye protection



Head protection



Welding protection



Protective coveralls



*Photos of product examples



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