

**3M™ Eye, Head & Face Protection**



**3M**



# The Power to Protect Your World<sup>SM</sup>

We live in a world where people don't always make the right choice. Health and safety professionals have a challenging job convincing people to wear protective equipment for their own safety. You must combine compliance to standards and regulations and employee safety, comfort, and even style. Everyone wants to look good, but they don't always want to wear protective equipment. We know this and it is why we continue to listen, test and add innovations to improve our products so people wear them longer.

We provide solutions for work situations requiring basic Personal Protective Equipment (PPE) through to environments that call for the most sophisticated and comprehensive protection. Whether the customer is a single tradesperson, medium sized business or an organisation employing thousands of workers, 3M has a workplace safety solution to meet your needs.

When job requirements call for special problem solving expertise, you can rely on 3M to use its diverse industry knowledge and history of innovation to give you the confidence and power to protect your world.

## The 3M range of solutions for worker safety includes:

- Respiratory Protection
- Hearing Protection
- Communications
- Eye , Head & Face Protection
- Welding Protection
- Spill Management
- Worker Visibility
- Detection & Monitoring
- Body Protection

## 3M Safety brands you can trust:



PELTOR™

Speedglas™





## Training and Support

3M's team of Specialist Representatives are available nationally, to provide support and training that meet the needs of our customers.

Furthermore, our qualified and highly experienced team are able to assist customers by:

- Conducting initial and ongoing assessments of the workplace.
- Recommending appropriate respiratory, hearing, eye protection, communication and spill management solutions required to maintain a safe work environment
- Providing technical advice about the correct use and maintenance of the solution that has been selected
- Facilitate on-site fit testing for both respiratory and hearing protection solutions, as required

No matter how effective a piece of Personal Protective Equipment (PPE) is, it will offer little or no protection if it is not fitted and/or worn correctly. Proper inspection, cleaning and storage is vital for safety equipment that protects a worker's health and well-being.

That is why we offer training programs that explain the correct way to fit, inspect, clean and store the PPE designed and manufactured by 3M.

## Technical Assistance

3M TechAssist is the ideal point of contact for your questions, especially when you require a prompt answer. Supported by trained staff, TechAssist is an immediate link to the worldwide resources of 3M.

Customers can contact TechAssist to answer questions on product information, technical advice, guidance with product selection, Australia/New Zealand Standards and other important information they need to know on a day-to-day basis.

See back cover for Technical Assistance contact details.

## ANZ Distributor network

3M distributes our wide range of workplace safety products through a network of distributors, resellers and retailers throughout Australia and New Zealand.



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### Style

Style is a critical factor when it comes to raising the acceptance of the user to wear personal protective equipment (PPE). 3M's range of eyewear gives you a variety of modern and stylish products from which to choose.

### Protection

The 3M range of eyewear offers high quality optics. Most of the 3M glasses and goggles offer reliable UV protection and all are tested and comply with AS/NZS1337.1

### Comfort

Many of our products come with adjustable features and soft materials in points of contact in order to improve fit and comfort to accommodate different face sizes and shapes.

### Compatibility

Eye protection often needs to be worn in conjunction with other protective equipment and it is essential that comfort and fit with other PPE is maintained. Most of the eyewear and goggle ranges can be used in combination with respiratory and hearing protection by 3M. Compatibility with other PPE will be subject to a number of variable factors which requires the employer and end user to determine an appropriate selection depending on individual needs.

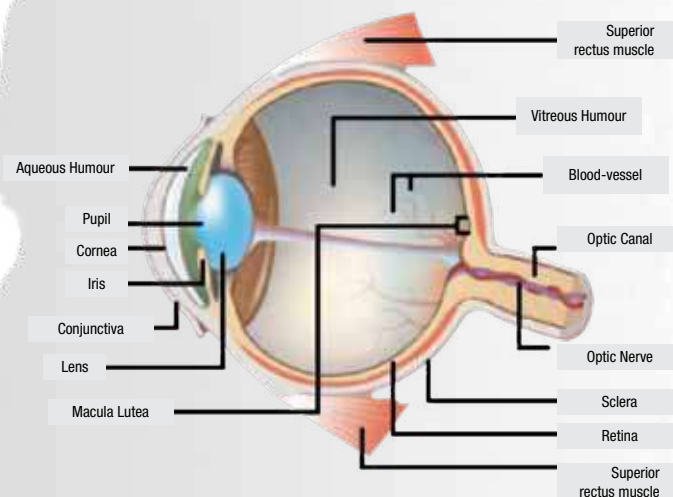
# Human Eye

**The Cornea** in direct contact with an external environment, plays an essential part in the transmission of light rays. There are more nerve endings in the cornea than anywhere else in the body.

**The Pupil** (light controller), situated in the middle of the iris, works like the diaphragm of a camera. Its diameter changes in accordance with the light levels.

**The Lens** allows focusing (near vision, far vision) thanks to a control muscle. With age this muscle loses power and impacts near vision (presbyopia). The lens can lose its transparency due to exposure to IR (infrared light) and UV (ultraviolet light), resulting in loss of vision (cataract).

**The Retina** is where all light beams converge; it transmits all information through the optic nerve to the brain in order to create your vision. Burned retina cells are lost forever which causes irreversible loss of vision.



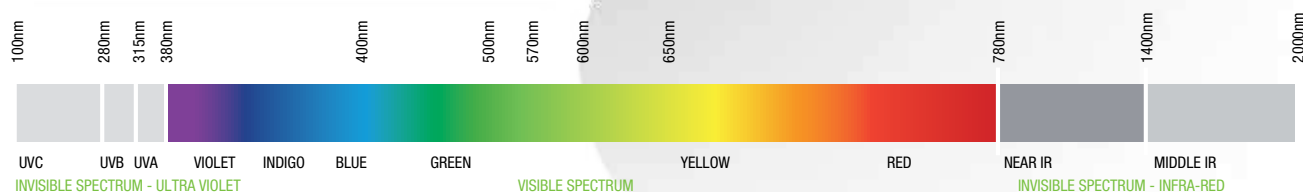
## Industrial hazards for the eyes:

- **Mechanical hazards:** dust, shock, solid particles.
- **Thermal hazards:** hot liquid, molten splash, flames.
- **Chemical or Biological hazards:** splashes of acids, solvents, alkalis, infected blood.
- **Radiation hazards:** ultraviolet, infrared, visible light, laser.
- **Electrical hazards:** direct contact, short-circuit electric arc.

## Facts on eye damage:

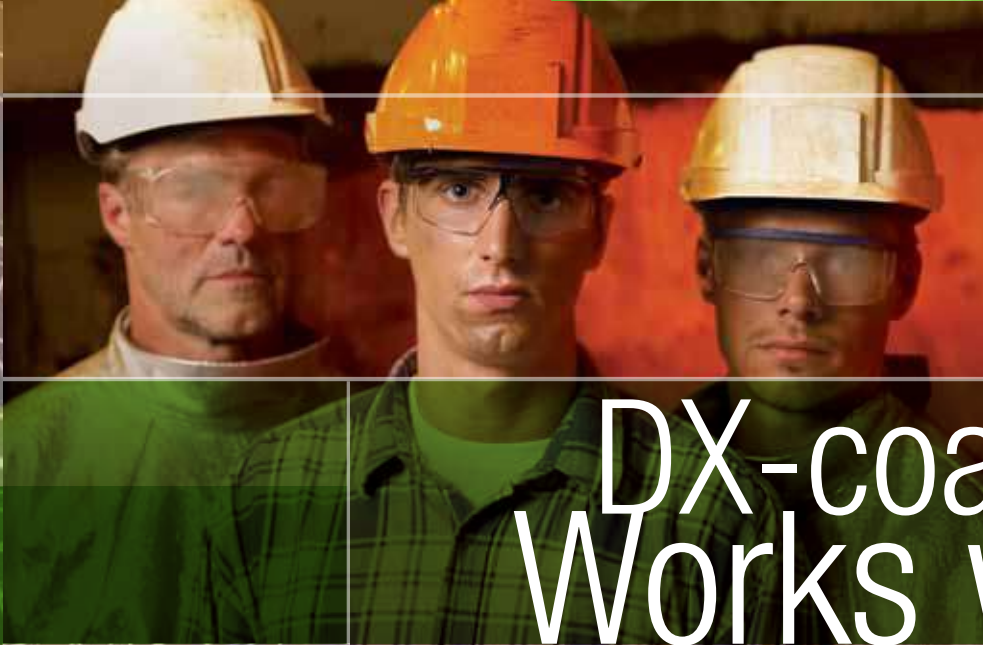
Every day worldwide more than 600 workers suffer from eye injury simply because they do not wear protective eyewear.

Source: BLS



## Potential Effects from Exposure to Light and other Radiation

	UVC 100 to 280nm	UVB 280 to 315nm	UVA 315 to 380nm	BLUE LIGHT 380 to 480nm	VISIBLE LIGHT 380 to 780nm	NEAR IR 780 to 1400nm	MIDDLE IR 1400 to 2000nm
<b>Cornea</b>	Conjunctivitis Partial Blindness	Conjunctivitis Partial Blindness	Conjunctivitis Partial Blindness				
<b>Lens</b>	Conjunctivitis	Cataract Premature Ageing	Cataract Premature Ageing			Cataract	Conjunctivitis Partial Blindness
<b>Retina</b>	Conjunctivitis			Partial Blindness Photoreinitis	Vision Problems Discontinuous Vision	Retinitis Pigmentosa	



# DX-coating Works where other coatings fail



Our DX™ coating, used on eyewear to protect from fogging and scratches is unique. It is a state-of-the art combination: abrasion resistant, anti-mist, anti-static and resists chemical attack. These are four key reasons why DX coating provides all day protection.

The patented DX coating results in lenses that maintain their clarity and hence provide vital eye protection for longer periods.

A very simple test will convince you of the superiority of our in-house developed DX coating. Make a pot of really hot tea or coffee. Hold the lenses over the steaming brew. If you are very quick you might see a thin film spreading rapidly across the surface and then disappear. The film is almost impossible to detect. After the film has formed you will see no further change on the lens. It is completely transparent and offers perfect vision. Indeed if you hold the lenses long enough over the brew, drips will form along the lower edge.



# Protective Eyewear

## Protection all the way

We believe that health and safety are the priorities in any working environment, and that greater comfort and modern styles improve worker compliance with regulatory requirements for protective eyewear. Therefore, we take care in adding comfort features where they are needed most, such as heavy contact areas like nose bridges and temple tips. The materials we choose to provide better comfort are designed to be durable to last and soft to the touch. We are also continually working on new coatings, new materials and new designs to bring the latest technology, innovation and fashion into our protective eyewear line.

## What contributes to eye injuries at work?

- **Not wearing eye protection.** Nearly three out of every five workers injured are not wearing eye protection at the time of the accident.
- **Wearing the wrong kind of eye protection for the job.** 40% of the injured workers were wearing some form of eye protection when the accident occurred. However, these workers were most likely to be wearing protective eyeglasses with no side shields.

## What causes eye injuries?

- **Flying particles.** Almost 70% of accidents resulted from flying or falling objects or sparks striking the eye. Injured workers estimated that nearly three-fifths of the objects were smaller than a pinhead. Contact with chemicals caused one-fifth of the injuries.

## Where do accidents occur most often?

- **Craftwork.** Potential eye hazards can be found in nearly every industry, more than 40% of injuries occurred among craft workers, like mechanics, repairers, carpenters and plumbers.
- **Industrial equipment operation.** Over a third of the injured workers were operators, such as assemblers, sanders, and grinding machine operators. Almost half of these injured workers were employed in manufacturing.

## How can eye injuries be prevented?

- **Always wear effective eye protection.** AS/NZ standards require that employers provide workers with suitable eye protection. To be effective, the eyewear must be of the appropriate type for the hazard encountered and properly fitted.
- **Better training and education.** Workers injured while not wearing protective eyewear most often said they believed it was not required by the situation. Even though the vast majority of employers furnished eye protection at no cost to employees, about 40% of the workers received no information on where and what kind of eyewear should be used.
- **Maintenance.** Eye protection devices must be properly maintained. Scratched and dirty devices reduce vision, cause glare and may contribute to accidents. Scratched or damaged eyewear should be replaced immediately.

Source for All Statistical Claims: U.S. Bureau of Labor Statistics

Eyewear  
injuries happen when you  
least expect them.  
Be prepared.





# Polycarbonate Lens Selection Guide

This Polycarbonate Lens Selection Guide will help you understand the need for different color lenses and lens types for industrial applications. It will also help you determine what type of lens is best for your application and environment. There are many lens options other than clear, gray and mirror. When choosing a lens, the basic “rule of thumb” is to consider color opposites. Examples of these opposites are shown in the chart below in columns one and two.

Lens Color/Type	Color of Light Reduced or Blocked*	Lens Properties/Use	Percent of Visible Light Passing through the Lens (approx.)	Suggested Applications/Environments
Clear	None	Maximum amount of light reaches the eye for good vision and acuity.	85%+	General everyday eye protection.
Gray, Brown, Bronze	All	Reduces brightness and glare from the sun.	10%-25%	Mainly for outdoor daytime use as in typical sunglass use.
Mirror & Colored Mirror	All	Reduces brightness and glare from the sun.	10%-25%	Mainly for outdoor daytime use as in typical sunglass use.
Indoor/Outdoor	All	Reduces brightness and glare when working both indoors and outdoors.	50%	For tasks requiring frequent movement indoor to/from outdoor. Loading docks, forklift drivers, construction or similar jobs.
Photochromic	All	Reduces brightness and glare from the sun and indoor lighting.	Varies from 20% to 80%	Lens darkens when outside and lightens when inside. Do not use for frequent indoor to/from outdoor movement.
Polarized	All	Reduces brightness and glare from the sun.	15%	Exceptional for reducing reflective glare. Mainly for outdoor use.
Yellow/Amber	Purple and Blue	Increases contrast, reduces haze from blue lighting, excellent UV protection.	85%-92%	Good for inspection tasks and hazy, overcast or foggy days. Never use for night driving.

\* All polycarbonate safety lenses absorb 99.9% ultraviolet (UV) light.



Clear



Gray, Brown, Bronze



Mirror & Colored Mirror



Indoor/Outdoor



Photochromic



Yellow/Amber

# 3M Safety Glasses



## 3M™ Maxim™ GT Series

### Features and Benefits:

#### Style

- + Contemporary stylish safety inspired design
- + Choice of two lens styles

#### Protection

- + Wide coverage wrap around design protects against flying particulates
- + Elastomeric brow guard to inhibit dust from entering eyes
- + Polycarbonate lens protects against UV and impact at extreme temperatures
- + 3M™ DX™ anti-fog lenses
- + AS/NZS1337.1 Medium Impact Rating



#### Comfort

- + Comfortable spatula temples with soft tips adjustable nose bridge
- + Brow guard provides soft seal of users face

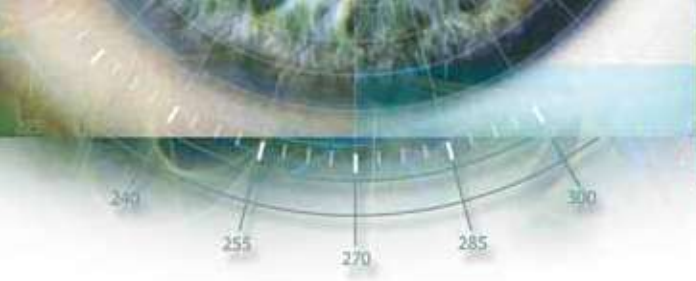
#### Packaging

- + 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	14246-00000-100AS	3M™ Maxim™ GT Series Clear Anti-Fog Lens	1 pair/bag, 10 bags/case
	14247-00000-100AS	3M™ Maxim™ GT Series Clear Anti-Fog Lens	1 pair/bag, 10 bags/case





# 3M™ Privo™ Series

## Features and Benefits:

### Style

- + European street wear styling
- + Orange accent temple tips
- + Choice of two lens styles

### Protection

- + Polycarbonate lens protects against UV and impact at extreme temperatures
- + Anti-fog lenses
- + AS/NZS1337.1 Medium Impact Rating



### Comfort

- + Extremely lightweight
- + Fits close to wearer's face

### Packaging

- + 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	12261-00000-100AS	3M™ Privo™ Series Clear Anti-Fog Lens	1 pair/bag, 10 bags/case
	12262-00000-100AS	3M™ Privo™ Series Grey Anti-Fog Lens	1 pair/bag, 10 bags/case



# 3M Safety Glasses



## 3M™ BX™ Series

### Features and Benefits:

#### Style

- + Stylish and modern design

#### Protection

- + Special DX™ anti-fog coating reduces fogging and ensures clearer vision
- + Excellent protection against flying particles
- + AS/NZS1337.1 Medium Impact Rating

#### Comfort

- + Soft tip temples to improve comfort
- + Soft, universal-fit nose bridge
- + Adjustable length temples with pantoscopic system (3 angles for custom fit)

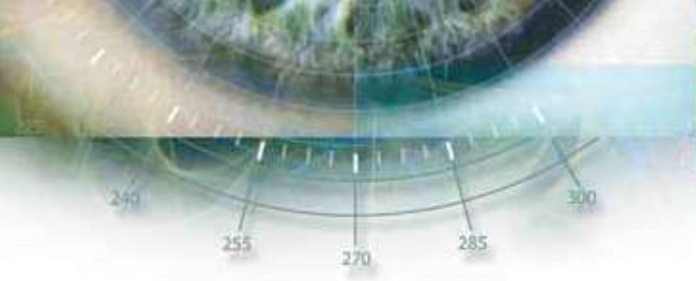


#### Packaging

- + 1 pair/bag, 10 bags/case

Lens	Product Code	3M Description	Packaging
	10416-00000	3M™ BX™ Ocean Blue Frame/Light Amber Anti-Fog Lens	1 pair/bag, 10 bags/case
	10412-00000	3M™ BX™ Ocean Blue Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case
	10417-00000	3M™ BX™ Ocean Blue Frame/Grey Anti-Fog Lens	1 pair/bag, 10 bags/case





## 3M™ Lexa™ Series

### Features and Benefits:

#### Style

- + Choice of frame colours
- + Available in two lens sizes

#### Protection

- + High impact nylon frame
- + Durable polycarbonate lens
- + Unique aspheric lens follows facial outline to enhance protective coverage
- + Lens absorbs greater than 99% UV
- + DX™ anti-fog, hard coating for good resistance to fogging, chemical attack, scratching and static
- + AS/NZS1337.1 Medium Impact Rating

#### Comfort

- + Temples adjust to four different lengths for better fit
- + Lenses can adjust to three different angles for a customised fit
- + Adjustable nose bridge design is soft and pliable so wearers can shape it specifically for their noses

#### Packaging

- + 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	15324-10000	3M™ Lexa™ - Medium Size Black Frame/Grey Anti-Fog Lens	1 pair/bag, 10 bags/case
	15320-10000	3M™ Lexa™ - Medium Size Black Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case
	15300-10000	3M™ Lexa™ - Large Size Black Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case
	15321-10000	3M™ Lexa™ - Medium Size Blue Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case

# 3M Safety Glasses



## 3M™ 2740 Series

### Features and Benefits:

#### Style

- + Sporty design
- + Choice of three lens colours
  - clear, smoke and amber

#### Protection

- + AS/NZS1337.1 Medium Impact Rating
- + Lens provides anti-fog and anti-scratch resistance
- + Polycarbonate lens absorbs 99.9% UV light
- + Wraparound coverage

#### Comfort

- + Adjustable temple lengths
  - four positions
- + Soft temple tips reduce pressure around the ears

#### Packaging

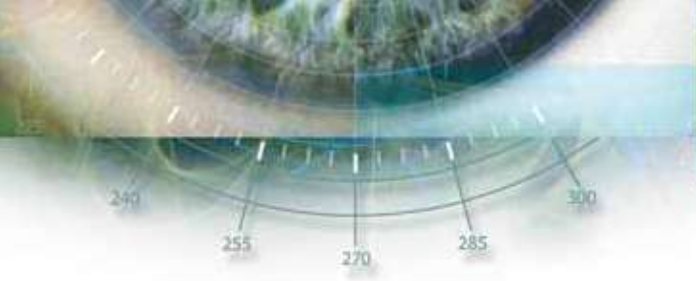
- + 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	2740-AS	3M™ 2740 Blue Temples/Clear Anti-Fog, Anti-Scratch Lens * Only available in NZ	1 pair/bag, 10 bags/case
	2741-AS	3M™ 2741 Blue Temples/Smoke Anti-Fog, Anti-Scratch Lens * Only available in NZ	1 pair/bag, 10 bags/case
	2742-AS	3M™ 2742 Blue Temples/Amber Anti-Fog, Anti-Scratch Lens * Only available in NZ	1 pair/bag, 10 bags/case







# 3M™ SX™ 2000 Series

## Features and Benefits:

### Style

- + Sports inspired styling

### Protection

- + AS/NZS1337.1 Medium Impact Rating
- + Lens features DX™ anti-fog, hard coating to provide resistance to fogging, scratching, chemical attack and static
- + Polycarbonate lens absorbs 99.9% UV light
- + Wraparound coverage

### Comfort

- + Adjustable arms for comfortable and correct fit
- + Secure tips ensure firm hold around ears
- + Lightweight for comfort

### Packaging

- + 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	10425-00000	3M™ SX™ 2000 Series Clear Anti Fog	1 pair/bag, 10 bags/case
	10425-00000	3M™ SX™ 2000 Series Grey Anti Fog Grey Anti Fog	1 pair/bag, 10 bags/case

# 3M Safety Glasses



## 3M™ Virtua™ V4 Series

### Features and Benefits:

#### Style

- + Sleek wrap around design
- + Choice of two lens styles

#### Protection

- + Polycarbonate lens protects against UV and impact at extreme temperatures
- + Anti-fog lenses
- + AS/NZS1337.1 Medium Impact Rating



#### Comfort

- + Soft dual injected temples

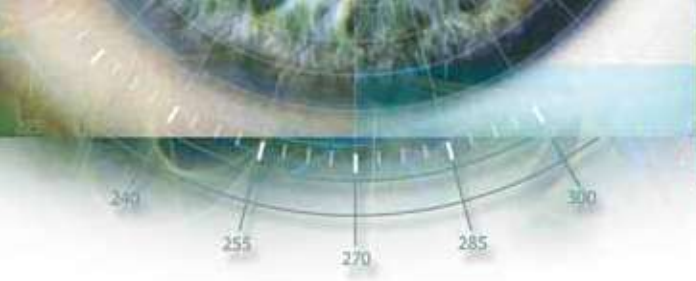
#### Packaging

- + 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	11672-00000-100AS	3M™ Virtua™ V4 Series Clear Anti Fog	1 pair/bag, 10 bags/case
	11673-00000-100AS	3M™ Virtua™ V4 Series Grey Anti Fog	1 pair/bag, 10 bags/case





## 3M™ Virtua™ AP Series

### Features and Benefits:

#### Style

- + Sleek unisex style
- + A selection of "task-specific" lens tints

#### Protection

- + Integral sideshields and brow protection
- + Impact resistant polycarbonate lenses absorb 99.9% UV rays
- + Anti-fog & Hard coat lenses
- + AS/NZS1337.1 Medium Impact Rating

#### Comfort

- + Lightweight frame
- + High-wrap lens

#### Packaging

- + 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	11818-00000-100AS	3M™ Virtua™ AP Series Clear Anti-Fog Lens	1 pair/bag, 10 bags/case
	11815-00000-100AS	3M™ Virtua™ AP Series Grey Hard Coat Lens	1 pair/bag, 10 bags/case
	11817-00000-100AS	3M™ Virtua™ AP Series Amber Hard Coat Lens	1 pair/bag, 10 bags/case
	11847-00000-100AS	3M™ Virtua™ AP Series Mirror Hard Coat Lens	1 pair/bag, 10 bags/case



# 3M Safety Glasses



## 3M™ Virtua™ Series

### Features and Benefits:

#### Style

- + Popular unisex styling

#### Protection

- + Wrap-around lens provides superior protection and unobstructed view
- + Polycarbonate lens provides impact protection and blocks more than 99% UV
- + AS/NZS1337.1 Medium Impact Rating
- + Available in hard-coat or anti-fog lens

#### Comfort

- + Universal nose bridge
- + Lightweight design for wearer comfort

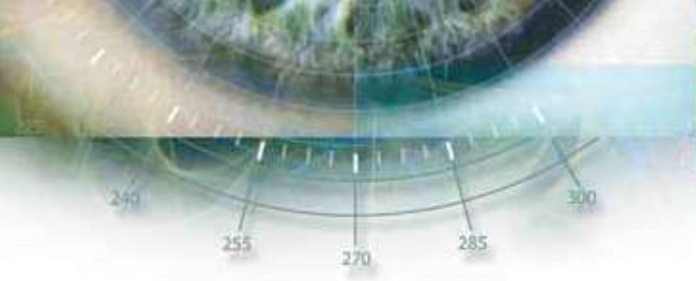
#### Packaging

- + 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	10419-00000	3M™ Virtua™ Series Clear Hard Coat Lens	1 pair/bag, 10 bags/case
	10421-00000	3M™ Virtua™ Series Clear Frame/Clear Hard Coat Lens	1 pair/bag, 10 bags/case
	10422-00000	3M™ Virtua™ Series Clear Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case





## 3M™ 2700 Series

### Features and Benefits:

#### Protection

- + Protection against UV radiation
- + 2720 has anti-mist coating to help reduce lens fogging, particularly during physical work or when wearing half masks.
- + 2720 has anti-scratch coating for increased durability and improved vision.
- + Slim nose bridge and flat temples for improved compatibility with other PPE
- + AS/NZS1337.1 Medium Impact Rating



#### Comfort

- + Lightweight and comfortable
- + 2700 model can be worn over most prescription spectacles



#### Packaging

- + 1 pair/bag, 10 bags/case

Lens	Product Code	3M Description	Packaging
	2700-AS	3M™ 2700 Overglasses Clear Frame/Clear Lens	1 pair/bag, 20 bags/case
	2720-AS	3M™ 2720 Blue Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case
	2721-AS	3M™ 2721 Blue Frame/Grey Anti-Fog Lens(Only available in NZ)	1 pair/bag, 10 bags/case
	2722-AS	3M™ 2722 Blue Frame/Amber Anti-Fog Lens (Only available in NZ)	1 pair/bag, 10 bags/case

# 3M Safety Glasses



## 3M™ Photochromic

### Features and Benefits:

#### Style

- + Sleek wrap around design that incorporates a stylish carbon fibre pattern

#### Protection

- + Tough polycarbonate lenses absorb greater than 99% UV
- + Abrasion resistant hard coat extends lens life
- + Frame's moulded supports prevent lenses from being dislodged
- + Durable frame with nylon brow and magnesium alloy temples
- + AS/NZS1337.1 Medium Impact Rating

#### Comfort

- + Spring-hinged temples for narrow/wide fit
- + Soft, adjustable nose bridge for all day comfort



#### Be Smart with Photochromic

Safety directors should assess their particular workplace and make all Photochromic wearers aware of the time required for the lens transition. Special care should be taken when moving from outdoors to indoors. Outdoor temperatures may affect lens transition time.


#### Packaging

- + 5 pairs/box, 5 boxes/case
- + All Photochromic products come with a microfibre bag and lanyard

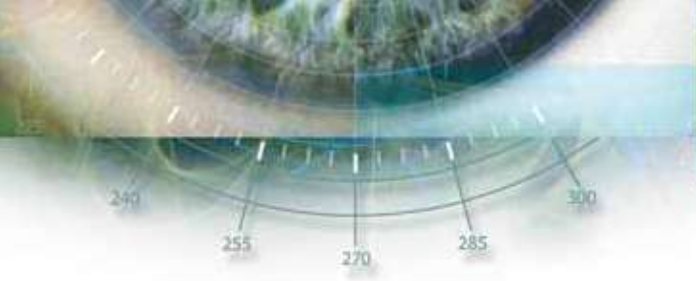
**CHANGES FROM DARK TO CLEAR IN 35 SECONDS**  
Clear state allows 84% light transmission



**CHANGES FROM CLEAR TO DARK IN 8 SECONDS**  
Reduces sun glare allowing just 22% light transmission

Lens	Product Code	3M Description	Packaging
	10423-00000	3M™ Photochromic Black Frame/UV Reactive Hard Coat Lens	5 pairs/box, 5 boxes/case





# 3M™ Light Vision™ II Series

## Features and Benefits:

### Protection

- + Wide coverage wrap around design protects against flying particulates
- + Polycarbonate lens protects against UV and impact at extreme temperatures
- + 3M™ DX™ anti-fog lenses
- + AS/NZS1337.1 Medium Impact Rating

### Comfort

- + Frame has rubber temples and rubber nose pads for extra comfort

### Convenience

- + Dual hands-free temple lights swivel/adjust for bright directional beams
- + LED lights have a long battery life of up to 50 hours

### Packaging

- + 1 pair/bag, 10 bags/case
- + All Light Vision II products come with a microfibre bag and lanyard



Lens	Product Code	3M Description	Packaging
	10425-00000	3M™ Light Vision™ II Series Grey Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case



# 3M Safety Goggles



## 3M™ Virtua™ Sport CCS Series

### Features and Benefits:

#### Style

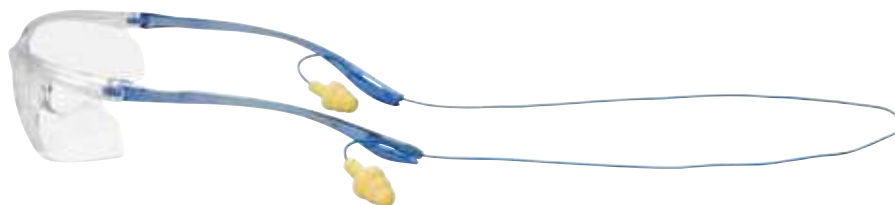
- + Merges outstanding style, protection and affordability with convenient access to hearing protection when it's needed

#### Protection

- + AS/NZS1337.1 Medium Impact Rating
- + Comes with E-A-R™ Ultrafit™ Reusable earplug SLC80: 18db (Class 3)

#### Convenience

- + Brings eye and hearing protection together in your safety program
- + Unique temple design controls and holds the cord of the earplug to keep it securely in place and untangled while in use CCS feature allows the corded earplugs to dual as a lanyard



#### Packaging

- + 1 pair/bag, 10 bags/case

Lens	Product Code	3M Description	Packaging
	11796-00000-100AS	3M™ Virtua™ Sport CCS Series Clear Anti Fog	1 pair/bag, 10 bags/case
	11798-00000-100AS	3M™ Virtua™ Sport CCS Series Grey Anti Fog	1 pair/bag, 10 bags/case

# 3M Safety Goggles



## 3M™ Maxim™ 2x2 Series

### Protection

- + Dual lens design enhances sightline
- + Excellent orbital eye coverage and wide field of vision
- + Air seal protects and absorbs impact
- + DX™ anti-fog lenses
- + Tough polycarbonate lenses absorb greater than 99% UV
- + AS/NZS1337.1 Medium Impact Rating when used as glasses with arms attached. Low Impact Rating when used as goggles with strap attached.

### Comfort

- + Elastic headband for comfortable, secure fit

### Packaging

- + Polybag, 1 pair/bag, 10 bags/case



Lens	Product Code	3M Description	Packaging
	40686-00000	3M™ Maxim™ 2x2 Goggles Black Frame/Clear Anti-Fog Lens	Polybag, 10 pairs/box, 10 boxes/case
	40687-00000	3M™ Maxim™ 2x2 Goggles Black Frame/Grey Anti-Fog Lens	Polybag, 10 pairs/box, 10 boxes/case

# 3M Safety Goggles



## 3M™ Fectoggle™ Gogglegear™ Series

### Fectoggle™ Dust Gogglegear

- + Lightweight design for greater comfort
- + Unisex design
- + Secure elastic headband
- + Durable polycarbonate lens with DX™ anti-fog, hard coating
- + Extended viewing range without distortion
- + Top and bottom vent channels
- + Soft foam seals out harmful dust and particulates
- + AS/NZS1337.1 Medium Impact Rating



### Packaging

- + 1 pair/bag, 10 bags/case

Lens	Product Code	3M Description	Packaging
	16412-00000-100AS	3M™ Fectoggle™ Gogglegear™ Series	1 pair/bag, 10 bags/case






## 3M™ Lexa™ Gogglegear™ Series

### Lexa Splash Gogglegear

- + Frame's lightweight design weighs just 5.1 grams
- + Unisex design
- + Secure elastic headband
- + Soft PVC shroud wraps around the lens for a protective seal
- + Durable polycarbonate lens construction with DX™ anti-fog, hard coating
- + Extended viewing range without distortion
- + Top and bottom vent channels improve air flow to reduce fogging
- + AS/NZS1337.1 Medium Impact Rating



Lens	Product Code	3M Description	Packaging
	16645-00000-100AS	3M™ Lexa™ Splash Gogglegear Clear PVC Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case

# 3M Safety Goggles



## 3M™ Fahrenheit™ Series

### Features and Benefits:

#### Style

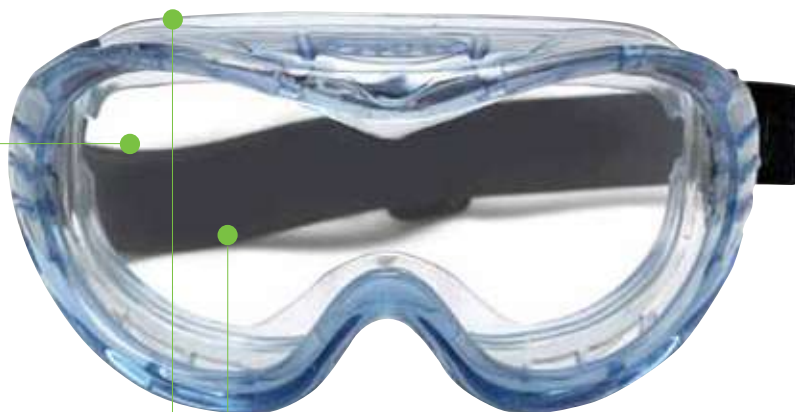
- + Modern, slim-line and lightweight design for an excellent fit.

#### Protection

- + Aerodynamic shape with cylindrical lens for 180° of distortion-free vision.
- + Model specially designed to fit with prescription glasses, dust mask or respiratory half-mask.
- + Indirect ventilation system to prevent fog, liquids and dust (the non-vented version also provides protection against gas and fumes)
- + Lens absorbs more than 99% UV
- + AS/NZS1337.1 Medium Impact Rating

#### Comfort

- + Soft PVC crystal frame with a wide support area all around the face to enhance comfort. Specific channel on the side of the frame to accommodate the temple of prescription frames
- + Wide nylon elastic strap (25mm) which is easily adjustable thanks to a buckle system and to a pivoting strap attachment mechanism.



#### Packaging

- + 1 pair/box, 24 boxes/case

Lens	Product Code	3M Description	Packaging
	40170-00000	Clear PVC Frame/Clear Poly Anti-Fog Lens Indirect Venting/Nylon Headband	1 pair/box, 24 boxes/case
	40171-00000	Clear PVC Frame/Clear Poly Hard Coat Lens Indirect Venting/Nylon Headband	1 pair/box, 24 boxes/case
	40172-00000	Clear PVC Frame/Clear Acetate Anti-Fog Lens Non-Vented/Neoprene Headband	1 pair/box, 24 boxes/case
	40173-00000	Black Foam Frame/Clear Poly Anti-Fog Lens Indirect Venting/Nylon Headband	1 pair/box, 24 boxes/case





# 3M™ 334 Economy Goggles

## Features and Benefits:

### Style

- + Practical style

### Protection

- + AS/NZS 1337.1 Medium Impact Rating
- + Splash and dust protection
- + Anti-fog protection
- + Polycarbonate lens absorbs 99.9% UV light
- + Wraparound coverage


### Comfort

- + Lightweight goggles for comfort

### Packaging

- + 1 pair/bag, 10 bags/case






Lens	Product Code	3M Description	Packaging
	11829-00000	3M™ 334 AF Economy Splash Goggle Clear Frame/Clear Anti-Fog Lens	1 pair/bag, 10 bags/case

Only available in NZ

# Selection Guide

## Lens Tints

		Clear	Gray	Bronze	I/O Mirror	Amber	Polarized	Photochromic	
<b>SAFETY EYEWEAR</b>									
<b>Premium</b>									
Maxim™ GT		•	•						
Privo™		•	•						
<b>Comfort</b>									
BX™		•	•			•			
Lexa™		•	•						
2740		•	•			•			
SX™		•	•						
<b>Economy</b>									
Virtua™ V4		•	•						
Virtua™ AP		•	•		•	•			
Virtua™		•							
2700		•	•			•			
<b>Specialty</b>									
Photochromic™								•	
Light Vision™		•							
CCS™		•	•						
<b>SAFETY GOGGLES</b>									
Maxim™ 2x2		•	•						
Fectoggles™		•							
Lexa™ Splash GoggleGear™		•							
Fahrenheit™		•							
334		•							





		Lens Coatings				Comfort			Adjustability	
			Hard Coat	Anti-Fog	DX™ AF/HC	Soft Nose Bridge	Soft Temple Tips	Venting	Temples	Nose Bridge
	SAFETY EYEWEAR									
	Premium									
	Maxim™ GT				●	●	●		●	●
	Privo™				●	●	●			
	Comfort									
	BX™				●	●			●	●
	Lexa™				●	●			●	●
	2740				●				●	
	SX™				●	●	●		●	
	Economy									
	Virtua™ V4			●			●			
	Virtua™ AP		●	●						
	Virtua™		●	●						
	2700			●						
	Specialty									
	Photochromic™			●		●				●
	Light Vision™				●	●	●			
	CCS™				●					
	SAFETY GOGGLES									
	Maxim™ 2x2			●		●				
	Fectoggles™				●	●		●		
	Lexa™ Splash GoggleGear™				●	●		●		
	Fahrenheit™				●	●	●	●		
	334			●						

**PELTOR™**



# Head & Face Protection

**3M**

# 3M™ Peltor™ Head Protection



## 3M™ Headgear G500

The 3M™ Headgear G500 provides a versatile and comfortable solution for wearers who require both face and hearing protection. The G500 has special design features making it easy to combine the headgear with other 3M safety products such as face shields, passive earmuffs or communication headsets.

### Key Features:

- Ratchet for size adjustment
- Printable front cover for customised solutions
- Replaceable sweatband
- Compatible with a wide range of 3M™ Peltor™ passive and communications earmuffs
- Change visors quickly and easily
- Slimline ear muffs Class 4



### 3M™ Headgear G500 Industrial Combination

#### Frontcover

Ventilation for increased comfort. The frontcover is also designed as a cable holder in combination with Peltor Communication products

#### Headband

Adjustable, robust headband designed accommodates earmuffs

#### Clear faceshield

5F-1 (Polycarbonate) high impact visor, 1.5mm thick, Anti Fog coated on both sides tested to AS/NZS 1337.1.

#### Hearing Protection

Thanks to the robust design of the headband, G500 can be used both with and without earmuffs. The slot is 30 mm wide made to take the Peltor P3E-attachment.

### Spare Parts and Accessories:

Product code	Description
5F-1	Polycarbonate Face shield, Clear
HYG50	Plastic sweat band
H9P3E	Earmuffs

### 3M™ Headgear G500 Forestry Combination

#### Frontcover

Ventilation for increased comfort. The frontcover is also designed as a cable holder in combination with Peltor Communication products

#### Headband

Three height adjustment positions

#### Mesh Visor

5C (Stainless Steel) Australian Standard under development.

#### Hearing Protection

Thanks to the robust design of the headband, G500 can be used both with and without earmuffs. The slot is 30 mm wide made to take the Peltor P3E-attachment.

### Spare Parts and Accessories:

Product code	Description
5B	Face shield, Polyamide mesh
5C	Face shield, Stainless steel mesh
5J	Face shield, Stainless steel mesh, etched
HYG50	Plastic sweat band

Product Code	3M Description
G500V5FH510-GU	Headgear Combination Industry Polycarbonate
G500V5CH510-OR	Headgear Combination Forestry Mesh



# 3M™ Peltor™ Head Protection



## Peltor™ G2000 Helmet

Attractive design and excellent protection is the best way to summarise the Peltor G2000 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, visor and hearing protection.

Fully compliant with AS/NZS 1801

Material: UV-stabilised ABS.

Colours: Yellow, white, orange, red, blue and green

Weight: 340 g

Size: 54-62 cm

### Features and Benefits:

#### Ventilation

Comfort and good ventilation are a must, particularly in warm environments. The G2000 allows free airflow between the helmet and its harness. Combined with ventilation inlet in the top of the helmet, this helps to increase wearer acceptance.

#### Peltor™ Uvicator™ Sensor

The disc indicates 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.

#### Ratchet headband

For easier and quicker adjustment.

#### 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 G2000 features a special profile design to enable helmet mounted ear muffs to achieve optimal fit and maximum adjustability for individual needs.



Product Code	3M Description
G2000CUV-GU	Safety Helmet Assembly Uvicator Yellow
G2000CUV-OR	Safety Helmet Assembly Uvicator Orange
G2000NUV-OR	Safety Helmet Assembly Uvicator W.Ratchet Harness Orange



# 3M™ Peltor™ Face Protection



## Peltor™ Lumberjack

The Peltor lumberjack system combines head, face and hearing protection. This unit was developed for the logging and gardening industry. It has a uniquely designed front visor shield which helps eliminate sawdust and rain from falling between the mesh screen and hard cap. The mesh visor and earmuffs can be swiveled both up or down. The rain guard protects your neck from debris and rain



## 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.



### Helmet accessories and spare parts

GH2	Chinstrap, G2000
G2E	Extra strap for 6-point lining, G2000
HYG3	Standard sweatband, all
GLF	Lamp and cord holder, G2000
GR3C	Rain protection, all
P3GV/2	Helmet attachment for visor 24mm
V412	Linkage kit

Product Code	3M Description
G2000CU0R31V4-C-01	Lumberjack Combination



# 3M™ Peltor™ Head Protection



## 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 polyamide visor is extremely light and does not conduct electricity.

The Visor Systems include, mesh visor, helmet frame and linkage kit, which will be attached to either a P3E 30mm or a P3G 24mm slotted adaptor. They are designed to be used with or without Peltor earmuffs.



### V4A

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

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



### V4C

- Made of 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.

Stainless steel mesh:  $\varnothing 0.24$  1.8 x 2.5 mm. Light reduction: 25%.

Weight: 80 g.



### V4B

- Made of 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:  $\varnothing 0.3$  1.0 x 1.0 mm. Light reduction: 45%. Weight: 70 g.

# 3M™ Peltor™ Head Protection



## Peltor™ Clear Visors

The Visor Systems include visor, helmet frame and cap attachments, which will fit most hard hats by selecting the correct adapters. They are designed to be used with or without Peltor earmuffs.

Visors provide great protection against high speed particles and UVA/UVB radiation.

They are scratch resistant and anti-fog treated on both sides for the maximum field of view. The visor peak and visor are designed to slope to minimise glare and debris.

Visors comply with Australian Standards AS/NZS 1337.1



### V2C

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

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

Thickness: 1 mm. Weight: 110 g



### V4F

- Excellent high 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



### V4D

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

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

Thickness: 1 mm. Weight: 120 g



### V4K

- Like the V4F, but a larger model, giving a greater area to protect against splashes, flying particles etc.
- High Impact Protection

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

Thickness: 1.2 mm. Weight: 180 g



3M customers can contact 3M TechAssist on  
**1800 024 464 (AU) 0800 364 357 (NZ)**  
to answer questions on product information, technical  
advice and guidance with product selection.



#### Personal Safety Division

3M Australia Pty Limited  
Building A, 1 Rivett Road  
North Ryde NSW 2113  
TechAssist Helpline: 1800 024 464  
TechAssist Email: [techassist@mmm.com](mailto:techassist@mmm.com)  
Customer Service: 1300 363 565

Website: [3m.com/au/ppesafety](http://3m.com/au/ppesafety)

3M New Zealand Limited  
94 Apollo Drive, Rosedale  
Auckland 0632  
TechAssist Helpline: 0800 364 357  
Customer Service: 0800 252 627

Website: [3m.com/nz/ppesafety](http://3m.com/nz/ppesafety)

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