



## 3M™ Maxim 2x2 Safety Spectacles

### Product Description

The 3M™ Maxim 2x2 safety spectacles feature an innovative design which enables the user to switch from temples to a headband in seconds. The user-friendly design allows simple, swift transition from flat temples to a broad elastic strap for greater comfort and convenience. The headband provides a snug fit and enables the user to combine these low-profile eyewear with other personal protective equipment, e.g. ear muffs, without any adverse performance of the protective device.

The 'Air Seal' system provides the wearer with a comfortable air cushion that rests around the eye socket. This cushion includes a vented design intended to prevent heat and fog build-up.

The product features a dual lens design for better orbital eye coverage and wide viewing range for weapons sighting. The product is available in a choice of lens colour including clear, amber and grey to suit different work environments/applications.

### Intended Use

These products are intended for protection against high speed particles at low energy (F) at extreme temperature conditions, -5°C and +55°C, (T) in accordance with EN166:2001. They also protect against UV radiation in accordance with EN170:2002, and sun glare in accordance with EN172:1994 (grey lenses only).

The 3M™ Maxim 2x2 is designed to be worn under ear muffs and helmets.

### Product Range

71504-00002M	3M™ Maxim 2x2 Air Seal (clear lenses)
71512-00001M	3M™ Maxim 2x2 Military Spectacles Pack (clear, amber and grey lenses)

### Standards and Approval

This protective eyewear has been shown to meet the basic safety requirements under Article 10 of the European Community Directive 89/686/EEC and is thus CE marked.

These products have been examined at the design stage by INSPEC International Ltd., 56 Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, United Kingdom (Notified Body number 0194). These products are tested and CE approved against EN166:2001.

### Key Features

- Optical class 1 lens suitable for prolonged use.
- Design provides excellent coverage and good field of vision
- Offers excellent protection against UV radiation
- Lens coatings provide both scratch resistance and anti-fogging
- Interchangeable lens options
- Choice of temple arms or headband

### Applications

These products can be used in a wide range of applications including:

- General assembly
- Hunting/Shooting
- Light duty maintenance and repair
- Outdoor pursuits
- Sporting activities

## Marking

The products have demonstrated compliance with the requirements of EN 166:2001 and associated standards and bear the following marks:

Clear lens	2C-1.2 3M 1 FT
Amber lens	2C-1.2 3M 1 FT
Grey lens	5-3.1 3M 1 FT
Frames	3M Maxim 2x2 EN166 FT CE

## Materials Listing

Component	Material
Lens	Polycarbonate
Frame	Nylon
Headband	Nylon
Temple	Nylon
Strap attachment	Nylon
Headband	Nylon
Ocular cushion (Air Seal)	Silicone

## Use Limitation

- Never modify or alter this product
- Do not use this product against hazards other than those specified in this document.
- These products are not suitable for grinding or welding
- These products are NOT designed to be worn over prescription spectacles.
- In accordance with EN166:2001 safety spectacles cannot be tested and approved for use against liquid droplets. Where liquid protection is specified a suitable product should be considered, for example safety goggles.

## Explanation of Marking

Marking	Description
2C-1.2 (EN 170:2002)	UV protection with good colour recognition. This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm).
5-3.1 (EN 172:1994 (as amended))	Sun-glare protection conforming to the requirements of the standard, providing UV protection for the complete specified range (280nm – 350nm).
1	Optical class
F	Impact protection against high speed particle at low energy (45m/s)
T	Tested for impact protection at extreme temperature conditions -5°C and +55°C

## Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



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