



3M™ QX™ Series Safety Spectacles

Product Description

The 3M™ QX™ series of eyewear has been designed for a wide variety of applications. The range comprises of three different platforms, each platform including a variety of lens colour options that protect against different optical hazards. The amber lens helps improve contrast in poorly lit areas, whilst the grey lens helps protect against sun glare. All the products in the QX™ range offer protection against UV light.

The QX1000 features adjustable lock-in temples (4 positions).

The QX2000 includes all the features of QX1000 plus rotating temple tips and a reversible nosepiece.

The QX3000 is supplied with a bespoke strap system that links to the temple tips. Adjustable temple arms are also included on this model.

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).

Product Range

04-1021-0140M	3M™ QX1000 Blue PC Clear DX
04-1021-0245M	3M™ QX1000 Black PC Grey DX
04-1021-0246M	3M™ QX1000 Black PC Amber DX
04-1022-0140M	3M™ QX2000 Blue PC Clear DX
04-1022-0245M	3M™ QX2000 Black PC Grey DX
04-1023-0140M	3M™ QX3000 Blue PC Clear DX
04-1023-0245M	3M™ QX3000 Black PC Grey DX
04-1023-0246M	3M™ QX3000 Black PC Amber DX

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
- Integrated brow bar for added protection.
- Lens coatings provide both scratch resistance and anti-fogging

Applications

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

- Construction
- Engineering
- General assembly
- Light duty maintenance and repair

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
QX1000 frame	3M QX1000 EN166 FT CE
QX2000 frame	3M QX2000 EN166 FT CE
QX3000 frame	3M QX3000 EN166 FT CE

Materials Listing

Component	QX1000	QX2000	QX3000
Lens (without nose bridge)	Polycarbonate	Polycarbonate	Polycarbonate
Nose pad	NA	Vinyl	Vinyl
Browbar	Nylon	Nylon	Nylon
Temple links	Nylon	Nylon	Nylon
Temple ear-grip and tip	Nylon	Nylon	Polycarbonate and Thermoplastic Elastomer
Pin	Stainless steel	Stainless steel	Stainless steel

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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