

Technical Datasheet



3M™ Fuel™ X2 Safety Spectacles

Product Description

The 3M™ Fuel™ X2 Safety Spectacles are based on the same successful platform as the first Fuel range but are more stylish and lightweight. The rim-less design together with a gently swept back frame makes them more appealing, particularly amongst younger wearers. The new design offers excellent coverage and field of vision. These products are available in 3 lens options: clear, bronze and red mirror for protection against sun glare.

Product Range

71506-00000M	3M™ Fuel™ X2 (clear lens)
71506-00001M	3M™ Fuel™ X2 (bronze lens)
71506-00002M	3M™ Fuel™ X2 (red mirror lens)

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).

Key Features

- Optical class 1 lens suitable for prolonged use
- Design provides excellent coverage and good field of vision
- Lightweight (34g) for maximum comfort
- Offers excellent protection against UV radiation
- Lens coatings provide both scratch resistance and anti-fogging
- Temples feature adjustable length (3 Lock-in positions)
- Soft flexible temples and adjustable soft nose bridge aid comfort

Applications

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

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

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
- 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.
- These products are not designed to be worn over prescription spectacles

Materials Listing

Component	Material
Lens	Polycarbonate
Brow	Nylon
Temples	Nylon
Temple tips	Nylon and Thermoplastic Elastomer
Temple plaque	Nickel plated brass
Temple screws	Stainless steel
Nose-piece	Stainless steel and Thermoplastic Elastomer
Nose-piece screws	Stainless steel

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.

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
Bronze lens	5-3.1 3M 1 FT
Red mirror lens	5-3.1 3M 1 FT
Frame	3M Fuel X2 EN166 FT CE

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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