



## 3M™ Virtua™ Safety Spectacles

### Product Description

The 3M™ Virtua™ Series safety spectacle is comprised of a rimless lens and fixed-length temple arm. An integrated side-shield is included for added protection. Two product sizes are available: Virtua and Virtua Slim.



### Product Range

- 71500-00002M Virtua™ PC Grey AS
- 71500-00003M Virtua™ PC Amber AS
- 71500-00004M Virtua™ PC Blue Mirror AS
- 71500-00005M Virtua™ PC Orange AS
- 71500-00008M Virtua™ PC Slim PC Clear

### 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 and blue mirror lenses).

A number of lens options are available for a variety of different applications:

- Clear – Good colour recognition and excellent UV protection
- **Grey and Blue Mirror** – Protection from sunglare
- **Amber** – Enhanced contrast in low light conditions
- **Orange** – Ideal for applications such as Visual Inspection

### Key Features

- Optical class 1 lens suitable for prolonged use
- Design provides excellent coverage and good field of vision
- Offers excellent protection against Ultraviolet (UV) radiation
- Lens coatings provide scratch resistance
- Virtua Slim provides a better fit for those with smaller facial features
- Total weight 25g

### Applications

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

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

### 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           |
| Grey lens          | 5-2.5 3M 1 FT            |
| Amber lens         | 2C-1.2 3M 1 FT           |
| Blue Mirror lens   | 5-2.5 3M 1 FT            |
| Orange lens        | 2-1.7 3M 1 FT            |
| Virtua™ Frame      | CE EN 166-FT Virtua      |
| Virtua™ Slim Frame | CE EN 166-FT Virtua Slim |

## Explanation of Marking

| Marking                                       | Description                                                                                                                                                                      |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2C-1.2 and 2-1.7</b><br>(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). |
| <b>5-2.5</b><br>(EN 172:1994<br>(as amended)) | Sun-glare protection conforming to the requirements of the standard, providing UV protection for the complete specified range (280nm – 350nm).                                   |
| <b>1</b>                                      | Optical class                                                                                                                                                                    |
| <b>F</b>                                      | Impact protection against high speed particle at low energy (45m/s)                                                                                                              |
| <b>T</b>                                      | Tested for impact protection at extreme temperature conditions -5°C and +55°C                                                                                                    |

## Materials Listing

| Component  | Material          |
|------------|-------------------|
| Lens       | Polycarbonate     |
| Temple Arm | Polycarbonate     |
| Temple Pin | Zinc Plated 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.

## 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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