



## 3M™ Solus™ Safety Spectacles

### Product Description

3M™ Solus™ Safety Spectacles feature spherical single lenses, bringing sophistication and comfort to the user without compromising safety and protection. The wrap around design provides excellent lateral protection.

Products are available in two distinctive colour-accented temples with a choice of lens options and coatings to meet the needs of many industrial applications.

Lens colour options include:

- **Clear** – Good colour recognition and excellent UV protection
- **Bronze, Red Mirror and Blue Mirror** – Protection from sun-glare
- **Amber** – Enhanced contrast in low light condition e.g. surface inspection
- **Indoor/Outdoor** – Ideal for use in sunny and low light environments e.g. forklift truck drivers

### 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. Clear and Amber lenses protect against UV radiation in accordance with EN170:2002, and tinted lenses protect against sun glare in accordance with EN172:1994 (bronze, red mirror, blue mirror and indoor/outdoor lenses only).

### 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
- Lightweight design aids comfort
- Soft universal nose bridge for optimum fit and added comfort
- Lens coatings provide both scratch resistance and anti-fogging
- Soft flexible temples offer improved wearer comfort
- Total weight 25g

### Product Range

#### Black/Orange Temple

71505-00001M	3M™ Solus™ PC Clear lens AS
71505-00002M	3M™ Solus™ PC Clear lens AS/AF
71505-00003M	3M™ Solus™ PC Bronze lens AS/AF
71505-00004M	3M™ Solus™ PC Amber lens AS/AF
71505-00005M	3M™ Solus™ PC I/O Mirror coated lens
71505-00006M	3M™ Solus™ PC Red Mirror coated lens

#### Silver/Blue Temple

71505-00007M	3M™ Solus™ PC Clear lens AS
71505-00008M	3M™ Solus™ PC Clear lens AS/AF
71505-00009M	3M™ Solus™ PC Blue Mirror coated lens

### Applications

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

- Automotive & body shop repair
- Construction
- Engineering
- Gardening
- General warehouse
- Industrial manufacturing
- Wood working

## 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
Amber lens	2C-1.2 3M 1 FT
Bronze lens	5-3.1 3M 1 FT
I/O lens	5-1.7 3M 1 FT
Red Mirror lens	5-3.1 3M 1 FT
Blue Mirror lens	5-3.1 3M 1 FT
Frames	3M Solus EN166 FT CE

## 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
Frame	Polycarbonate
Temples	Polycarbonate
Temple tips	Thermoplastic Elastomer cover, Polycarbonate core
Nose Pieces	PVC

## 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).
5-1.7 (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).
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.



**Personal Safety Division**  
**EMEA Region**  
3M Centre,  
Cain Road, Bracknell  
Berkshire RG12 8HT  
United Kingdom  
Tel: +44 (0) 1344 858000  
[www.3M.eu/Safety](http://www.3M.eu/Safety)

15365  
3M and Solus are trademarks  
of 3M company.  
Please recycle. © 3M 2013.  
All rights reserved.