

Technical Datasheet

3M™ SecureFit™ SF200 Series Protective Eyewear



Product Description

The 3M™ SecureFit™ Protective Eyewear series is comprised of a rimless lens and fixed-length temple arm. An integrated side-shield is included for added protection. Also featured is the 3M Pressure Diffusion Temple Technology. When the frame bends, the ribs flex in different directions to diffuse the pressure throughout the temple area. This innovative design promotes improved comfort and security of fit.

Product Range

SF201AF-EU PC	3M™ SecureFit™ CLEAR/ASF	
SF202AF-EU PC	3M™ SecureFit™ GREY AS/AF	
SF203AF-EU PC	3M™ SecureFit™ YELLOW AS/AF	

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 lens only).

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

- **Clear** – Good colour recognition and excellent UV protection
- **Grey** – Protection from sunglare
- **Yellow** – Enhanced contrast in low light conditions

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
- Very Lightweight design (18g)
- 3M Pressure Diffusion Temple Technology for secure and comfortable fit
- Self-adjusts to comfortably fit a wide range of head shapes and sizes

Applications

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

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

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.

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 ECS GmbH - European Certification Service, Huettelfeldstrasse 50, 73430 Aalen, Germany (Notified Body number 1883).

These products are tested and CE approved against EN166:2001.

Materials Listing

Component	Material
Lens	Polycarbonate
Temple Arm	Xyltex
Temple Pin	Zinc plated steel
Total Weight	18g

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.

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
Yellow lens	2C-1.2 3M 1 FT
Grey lens	5-3.1 3M 1 FT
Frames (all variants)	3M EN166 FT CE SF200 Series

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