

3M™ SecureFit™ SF200 Series Protective Eyewear

Technical Data Sheet

Product Description

The 3M™ SecureFit™ series is comprised of a rimless lens and fixed-length temple arm. An integrated side-shield is included for added protection. The temples also feature 3M™ Pressure Diffusion Temple Technology which helps diffuse pressure over the ear to enhance frame comfort across a diverse workforce. This innovative design promotes improved comfort and security of fit.

Product Range

SF201AF-EU PC 3M™ SecureFit™ CLEAR AS/AF

SF202AF-EU PC 3M™ SecureFit™ GREY AS/AF

SF203AF-EU PC 3M™ SecureFit™ AMBER AS/AF

SF201AS-EU PC 3M™ SecureFit™ CLEAR AS

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
- Amber – Enhanced contrast in low light conditions

Key Features

- Optical class 1 lens suitable for prolonged use
- Design provides excellent coverage and a good field of vision based on the rimless, single lens design
- Offers protection against Ultraviolet (UV) radiation in accordance with European standards
- Lightweight design (18g)



- 3M™ Pressure Diffusion Temple Technology for secure and comfortable fit
- Self-adjusting temples provide a secure fit for a wide range of head sizes

Typical Applications

These products may be suitable for use 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, Huettfeldstrasse 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 | Xylex |
| Temple Pin | Zinc plated steel |
| Total Weight | 18g |

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 |
| 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 |

IMPORTANT NOTICE

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

Respiratory Protection is only effective if it is correctly selected, fitted and worn throughout the time when the wearer is exposed to respiratory contaminants. 3M offers advice on the selection of products, and training in the correct fitting and usage.

For more information on 3M products and services please contact 3M.