

3M™ SecureFit™ SF200 Series Protective Eyewear

Technical datasheet



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.

The 3M™ Scotchgard™ Anti-Fog (SGAF) coating has been added to a clear lens spectacle in the SF200 Series to give EN 166 Anti-Fog (N) and Anti-Scratch (K) protection.

Product range

Product ID	Lens	Temple colours
SF201AF-EU	Clear	Clear
SF202AF-EU	Grey	Grey
SF203AF-EU	Amber	Amber
SF201AS-EU	Clear	Clear
SF201SGAF-EU	Clear	Blue

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 EN 166:2001.

They also protect against UV radiation in accordance with EN 170:2002, and sun glare in accordance with EN 172:1994 (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
- ▶ Clear – SF201SGAF-EU – 3M™ Scotchgard™ – for added protection against fogging and scratching (EN 166 Anti-Fog (N) and Anti-Scratch (K))



SF201SGAF-BLU



SF201AF/SF201AS

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
- ▶ 3M™ Scotchgard™ Anti-Fog (SGAF) coating on SF201SGAF-EU to give EN 166 Anti-Fog (N) and Anti-Scratch (K) protection

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
- ▶ Food industry

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 EN 166:2001 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 essential health and safety requirements under Annex II of the PPE Regulation (EU) 2016/425.

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 EN 166:2001.

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
Clear lens with SGAF coating	2C-1.2 3M 1 FT KN
Frames (all variants)	3M EN 166 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)
I	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
K	Resistance to surface damage by fine particles
N	Resistance to fogging

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.

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