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3M™ Safety Goggles 4700 and 4800 Series

Technical datasheet



Product description

The 3M™ 4800 Safety Goggles includes an indirect ventilation system intended to reduce lens fogging. This ventilation system is positioned on the under-side of the goggle to reduce exposure to liquid droplets.

The 3M™ 4700 Safety Goggles includes a direct ventilation system intended to reduce lens fogging.

Key features

- Optical class 1 lens for prolonged use
- The 3M™ 4800 Safety Goggles has a version with an anti-fog coating
- Total weight 66g

Product range

Product ID	Description	Lens colour	Frame colour
4800	3M™ 4800 Safety Goggles with clear Polycarbonate (PC) lens	Clear PC	Clear
4800 AF	3M™ 4800 Safety Goggles with clear Polycarbonate (PC) and Anti-Fog (AF) lens	Clear PC	Clear
4700	3M™ 4700 Safety Goggles with clear Polycarbonate (PC) lens	Clear PC	Clear

Typical applications

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

- Construction
- General assembly
- Maintenance and repair
- Mechanical work
- Woodworking

Intended use

These products are intended for protection against high speed particles at medium energy (B) at room temperature conditions in accordance with EN 166:2001. The 3M™ 4800 Safety Goggles also provide protection against liquid droplets (3).

Use limitation

- Never modify or alter this product
- Do not use this product against hazards other than those specified in this document
- This product is not suitable for grinding
- Not suitable for protection against large dust particles

Standards and approval

These products are type examined by BSI Group, Notified Body number 2797.

These products are CE marked to the requirements of European Regulation (EU) 2016/425.

The applicable legislation can be determined by reviewing the Certificates and Declarations of Conformity at **www.3M.com/Eye/certs**

Materials listing

Description	Material
Lens	Polycarbonate
Frame	PVC
Headband	Elastic webbing (natural rubber latex)
Weight	66g

Marking

The products have demonstrated compliance with the requirements of EN 166:2001 and associated standards and bear the following marks:

Product ref	Lens marking	Frame marking
4800	3M 1 B	3M EN 166 3 B
4800 AF	3M 1 B	3M EN 166 3 B
4700	3M 1 B	3M EN 166 B

Explanation of marking

Marking	Description
1	Optical class
B	Impact protection against high speed particle at medium energy (120m/s)
3	Field of use: Protects against liquid droplets or liquid splashes

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.

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