

# 3M™ Modul-R™ Series Safety Goggles

## Technical datasheet



### Product description

The 3M™ Modul-R™ Safety Goggle features a pivoting strap buckle intended to provide a secure fit and enhance comfort and protection. An indirect ventilation system helps reduce fogging. As an optional extra, a half-visor can easily be fitted to the Modul-R™ goggle.

The 3M half-visor is easy to attach and includes an adjustable indirect ventilation system to help reduce fogging.

### Product range

Product ID	Description	Lens colour	Frame colour
Modul-R™	3M™ Modul-R™ Safety Goggles with clear PC lens	Clear PC	Blue
Modul-R™ half visor	3M™ Modul-R™ Half Visor Clear PC+ Adjust. Vent	Clear PC	N/A

### Typical applications

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

- ▶ Grinding
- ▶ Chemical
- ▶ Construction
- ▶ Engineering
- ▶ General assembly
- ▶ Maintenance and repair
- ▶ Pharmaceutical
- ▶ Woodworking

### Intended use

These products are intended for protection against high speed particles at medium energy (B) at extreme temperature conditions, -5°C and +55°C, (T) in accordance with EN 166:2001.

These products also help protect against UV radiation in accordance with EN 170:2002.

### Use limitation

- ▶ Never modify or alter this product
- ▶ Do not use this product against hazards other than those specified in this document
- ▶ 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

### Key features

- ▶ Design provides excellent coverage and good field of vision
- ▶ Provides protection against liquid droplets and large dust particles
- ▶ Optical Class 1 to allow prolonged comfortable wear
- ▶ Offers excellent protection against UV radiation
- ▶ Compatible with 3M half-visor
- ▶ Lens coatings provide scratch resistance and anti-fogging

### 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 Certificate and Declaration of Conformity at [www.3M.com/Eye/certs](http://www.3M.com/Eye/certs)

### Materials listing

Description	Material
Lens	Polycarbonate
Frame	TPE (Thermoplastic Elastomer)
Headband	Polyester and natural rubber

### 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
Modul-R™	2C-1.2 3M 1 BT	3M EN 166 3 4 BT
Modul-R™ half visor		

## Explanation of marking

Marking	Description
2C-1.2 (EN 170:2002)	UV protection. This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm). Products marked C provide good colour recognition.
1	Optical class
B	Impact protection against high speed particle at medium energy (120m/s)
T	Tested for impact protection at extreme temperature conditions -5°C and +55°C
3	Field of use: Liquid Product protects against liquid droplets
4	Field of use: Dust Product protects against large dust particle hazards

## 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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