

3M™ Overspectacles OX Series

Technical datasheet



Product description

The 3M™ Overspectacles OX Series have been designed to be worn over prescription spectacles. Each of the 3 variants offers unique distinctive features.

The OX1000 basic model features fixed temples and an uncoated lens.

The OX2000 comes with adjustable lock-in temples (5 positions) and rotating tips (excellent grip in all positions).

The OX3000 is intended for use in environments where hearing protection is also required. The low-profile adjustable temples have been designed to be worn in combination with 3M earmuffs. The non-slip pliable temple tips provide a comfortable fit.

Product range

Product ID	Description	Lens colour	Frame colour
OX1000	3M™ OX1000 Overspectacles with clear PC lens	Clear PC	Blue
OX2000	3M™ OX2000 Overspectacles with clear PC lens	Clear PC	Blue
OX3000	3M™ OX3000 Overspectacles with clear PC lens	Clear PC	Blue

Typical applications

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

- ▶ Construction
- ▶ Engineering
- ▶ General assembly
- ▶ Woodworking
- ▶ Light duty maintenance and repair

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.

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

- ▶ Designed to be worn over prescription eyewear
- ▶ Optical Class 1 to allow prolonged comfortable wear
- ▶ Offers excellent protection against UV radiation

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

Materials listing

Description	OX 1000	OX 2000	OX 3000
Lens	Polycarbonate	Polycarbonate	Polycarbonate
Temple arms	Nylon	Nylon	Nylon
Temple tips	N/A	Polycarbonate / Thermoplastic rubber (TPR)	Polycarbonate / Thermoplastic rubber (TPR and TPE)

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
OX1000	2C-1.2 3M 1 FT	3M EN 166 FT CE
OX2000	2C-1.2 3M 1 FT	3M EN 166 FT CE
OX3000	2C-1.2 3M 1 FT	3M EN 166 FT CE

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
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