



Safety Spectacles

2700, 2720, 2721, 2722, 2730
2740, 2741, 2742, 2750 & 2751

Data Sheet



Product Description:

The 3M™ Safety Spectacles 2700 Series are a selected range of products designed for use in a wide range of working environments.

Standard Features:

- Impact resistance against low energy high speed particles at extremes of temperature.
- Optical class 1 for high optical clarity and extended wear time.
- Protection against UV radiation.
- Anti-mist coating (except 2700) to help reduce lens fogging, particularly during physical work or when wearing half masks.
- Anti-scratch coating (except 2700) for increased durability and improved vision.
- Lightweight, attractive, modern design.

Specific Features:

Classic Line

2700

- Can be worn over most prescription spectacles.
- Integral browguard and side shield for increased confidence.

2720 / 2721 / 2722

- Extremely lightweight for high comfort.
- Slim nose bridge & flat temples for improved compatibility. Ideal for combination with 3M™ 9300 series respirators*.
- Choice of clear /smoke /yellow lenses for suitability in a wider range of environments.

Comfort Line

Improved fit, comfort and confidence for a wider range of headsizes, along with reduced tendency to slip down nose, provided by:

2730

- Adjustable temple length (4 positions).
- Adjustable lens angle.
- Soft tips.

- Soft ventilated nose bridge.
- Nylon temples.

2740 / 2741 / 2742

- Adjustable temple length (4 positions).
- Adjustable lens angle (using temple pivots).
- Soft temple tips.
- Nylon temples.

also

- Choice of clear / smoke / yellow lenses for suitability in a wider range of environments.

Premium Line

Improved fit, comfort and confidence for a wider range of headsizes, along with reduced tendency to slip down nose, provided by:

2750 / 2751

- Wrap round lens.
- Adjustable temple length (5 positions), nylon temples.
- Soft ventilated nose bridge.
- Nylon temples.

also

- Choice of clear / smoke lenses for suitability in a wider range of environments.
- Design provides improved compatibility with 3M 4000 and 3M 7500 series halfmasks. Ideal for combination with 3M™ 9300 series respirators*.

* See Compatibility.

Approvals

These safety spectacles have been shown to meet the basic safety requirements under Article 10 of the European Community Directive 89/686/EEC and are thus CE-marked.

2700, 2730, 2740, 2741 & 2742

Approval body: BSI Product Services

Notified Body: 0086

2720, 2721, 2722, 2750 & 2751

Approval body: Inspec International Ltd

Notified body: 0194

Standards

These safety spectacles have been tested and approved to the following standard:
EN166:2001 (Personal Eye Protection - Specifications)

They meet the following optional requirement:
FT = low energy impact protection (45 m/s) at extremes of temperature(-5°C & +55°C)

Clear and/or yellow lenses have been tested to the following standard: EN170:1992 (Ultraviolet filters used in personal eye-protection equipment)

Smoke lenses have been tested to the following standard: EN172:1994 (Personal eye protection - sunglare filters for industrial use)

Marking

Example of lens marking

Scale number	2C-1.2
Manufacturer's identification	3M
Optical class	1
Symbol for mechanical strength	FT

Example of frame marking

Manufacturer's identification	3M
Product reference	2700
European standard number	EN166
Symbol for resistance to high speed particles at extremes of temperature	FT

Technical Specifications

Product	Lens Shade	
2700 over spectacles	Clear	2C-1.2
2720 spectacles	Clear	3-1.2
2721	Smoke	5-2.5
2722	Yellow	2-1.2
2730	Clear	2C-1.2
2740	Clear	2C-1.2
2741	Smoke	5-2
2742	Yellow	2-1.2
2750	Clear	3-1.2
2751	Smoke	5-2.5

3-1.2 or 2C-1.2 = ultraviolet filter - colour perception is not affected (EN170)

2-1.2 = ultraviolet filter - colour perception may be affected (EN170)

5-2.5 = dark sunglare filter without infra-red protection (EN172)

5-2 = medium sunglare filter without infra-red protection (EN172)



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Compatibility

Tests indicate that the above combinations are suitable for many wearers. However, compatibility with other personal protective equipment is subject to a number of variables and the user must make an appropriate selection depending on individual requirements.

Cleaning

Cleaning is recommended after each use. The product should be cleaned using a cloth moistened with warm soapy water and dried at room temperature. A suitable clean lens cleaning cloth may also be used.

Do not use petrol, chlorinated degreasing fluids (such as trichloroethylene), organic solvents or abrasive cleaning agents to clean any part of the equipment.

Materials

Lens:	All Models 2700,	Polycarbonate
Frame:	2720, 2721, 2722, 2730 2740, 2741, 2742 2750, 2751	Polycarbonate - integrated with 1 piece lens.
Temples:	2700, 2720, 2721, 2722 2730, 2740, 2741, 2742, 2750, 2751	Polycarbonate
Soft Temple Tips:	2730 2740, 2741, 2742	Nylon, Thermoplastic Rubber
Nose piece:	2730 2750, 2751	Polycarbonate, PVC PVC
Screws:	All Models except 2700	Stainless Steel

Weights

Product	Weight
2700	46g
2720 / 2721 / 2722	24g
2730	30g
2740 / 2741 / 2742	28g
2750 / 2751	32g

Applications

The 3M range of safety spectacles can be used in a wide variety of applications including:

- Manufacturing industry
- Automotive & body shops
- Construction
- Light engineering
- Agriculture
- Laboratories
- Woodworking
- DIY

For help with selecting the most appropriate forms of eye protection, or for more detailed product information, please contact the 3M Health & Safety Helpline on 0870 60 800 60