

# 3M™ WP-Series Protective Faceshields

## Technical datasheet



### Product description

The 3M™ WP-series Protective Faceshields are a range of helmet or headgear mounted faceshields designed to meet the requirements in various industrial applications. The range includes a selection of sizes and materials offering protection from various optical hazards, liquid splashes, molten metal and flying particles.

### Product range

#### Product ID

3M™ WP96: Clear Polycarbonate faceshield

3M™ WP98: Clear Cellulose Acetate faceshield

3M™ X5000, X5500: 3M™ SecureFit™ Helmets

3M™ G3000, G22 and G3501: Helmets

3M™ H8: Headgear

3M™ U5B and 3M™ U3-E: Linkage System

### Key features

- ▶ The WP-series faceshields are designed to be used with a wide range of 3M™ Safety Helmets
- ▶ For fast replacement, the WP-series faceshields feature an easy to use "snap in" connection with the faceshield holders U3-E or U5B and headgear H8
- ▶ WP96 is a robust 1.8mm thick moulded polycarbonate faceshield typically used when face protection is required against high speed particles and or molten metal splashes.
- ▶ WP98 is a 1.0mm thick flat sheet acetate faceshield typically used in the chemical industry to protect against liquid splashes.

### Typical applications

- ▶ General industry
- ▶ Chemical industry
- ▶ Construction
- ▶ Metal working

### Size (mm)

Diagram	Model	A	B
	WP96	229	263
	WP98	232	378*

\* Unmounted in faceshield holder

Model	Thickness	Weight
WP96	1.8mm	149g
WP98	1.0mm	97g

### Materials

Component	Material
WP96	Polycarbonate
WP98	Cellulose Acetate

### Standards and approvals

The 3M™ WP-series Protective Faceshields meet the requirements of the PPE Regulation (EU) 2016/425 and are thus CE marked.

The products have been examined by DIN CERTCO Gesellschaft für Konformitätsbewertung mbH, Alboinstrasse 56, 12103 Berlin, Germany (Notified body number 0196).

The 3M™ WP-series have been tested and approved in accordance with EN 166:2001.

## Performance

The table below summarises the 3M™ 5-series and X5-series Protective Faceshield specifications according to EN 166.

Model	Filtering perf.	Optical clarity	Impact perf.	Fields of use	Optional requirements
WP96	2C-1.2	1	B	3, 9	N/A
WP98	2C-1.2	1	F	3	N/A

### Filtering performance:

2C-1.2 = UV filter, Shade 1.2 (EN 170)

### Optical clarity:

The allowable variation in refractive powers for oculars is assessed during certification of the product. Class 1 is the highest performance class for optical clarity.

### Impact performance:

WP96 meets the requirement for protection against high speed particles for medium energy impacts, marked B (120m/s). WP98 meets the requirement for protection against high speed particles for low energy impacts, marked F (45m/s).

### Fields of use:

The WP-series faceshields meet the optional requirements for protection against liquid splash, marked 3. In addition, WP96 meets the requirement for protection against molten metal, marked 9.

## Use and storage

Temperature range for usage	-30° C to +50° C
Recommended storage conditions	+3° C to +40° C, <85% humidity
Maximum recommended product life	Up to 5 years from date of manufacture*

\* The product life as defined above is indicative data. The product life is subject to many external and non-controllable factors and should not be interpreted as a warranty.

## Use limitations

- ▶ Where the faceshield and frame markings do not match the lowest level of protection applies
- ▶ Scratched or damaged oculars should be replaced immediately
- ▶ Eye-protectors against high speed particles worn over standard ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer. Do not use this product against hazards other than those specified in this document
- ▶ Never modify or alter this product

## Compatibility

The faceshield holders U3-E and U5B are connected to the helmets and headgear through a 3M™ P3E earmuff or a P3E adapter if hearing protection is not required. The following combinations of faceshield, faceshield holder and helmet/headgear are approved:

Model	U5 + X5000 / X5550	U3-E + G3000	U3-E + G22	U3-E + G3501	H8
WP96	✓	✓	✓	✓	✓
WP98	✓	✓	✓	✓	✓

✓ = approved

## Important notice

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