

# Technical Datasheet



## 3M™ 2890 Series Safety Goggles

### Product Description

The 3M™ 2890 Series Goggles include two indirectly ventilated (2890 & 2890A) and three sealed versions (2890S, 2890SA & 2895S). All except 2895S feature a clear lens for protection against UV light. The 2895S features a shade 5 lens for gas welding and cutting.

### Product Range

2890 2890 Goggle PC Clear AS/AF  
2890A 2890A Goggle Acetate AF  
2890S 2890S Goggle Sealed PC AS/AF  
2890SA 2890SA Goggle Sealed Acetate AF  
2895S 2895S Welding Goggle PC Shade 5 AS/AF

Replacement parts:

289 289 PC replacement lens for 2890/2890S  
289A 289A Acetate replacement lens for 2890A/2890SA

### Intended Use

These products are intended for protection against a variety of hazards including liquid droplets (3), large dust particles (4), gas & fine particles (5), molten metal & hot solids (9), low energy impact (F) and medium energy impact (B) at extremes of temperature -5°C and +55°C (T) in accordance with EN166:2001. In addition, these products also protect against UV radiation in accordance with EN170:2002.

NOTE: The 2895S lenses are assessed against EN169:2002 for transmittance requirement for welding filters. This product protects against high speed impact at medium energy at room temperature only.

### Key Features

- Optical class 1 lens suitable for prolonged use.
- Provides excellent protection against liquid droplets and large dust particles
- Lens treatment provides both scratch resistance and anti-fogging
- Wide, easy-to-adjust strap for stable comfortable fit
- Pivoting ratchet for convenient individual adjustment and fit
- Indirect ventilation improves air circulation and reduces fogging in hot/humid conditions (2890/2890A)
- Additional protection against gas & fine particles (2890S/2890SA/2895S)
- Acetate lens option for increased chemical resistance
- Replacement lens options

### Applications

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

- Chemical
- Construction
- Engineering
- General assembly
- Maintenance and repair
- Pharmaceutical

### Use Limitation

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

## Standards and Approval

The 3M Fahrenheit goggle has been shown to meet the basic safety requirements under Article 10 of the European Community Directive 89/686/EEC and is thus CE marked.

These products have been examined at the design stage by INSPEC International Ltd., 56 Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, United Kingdom (Notified Body number 0194).

This product has been tested and CE approved against EN166:2001.

## Materials Listing

Component	Material
Lens	Polycarbonate (2890/2890S/2895S) Acetate (2890A/2890SA)
Frame	PVC
Head strap clips	Nylon
Head strap	Elasticated Polyester
Weight	104g

## Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

## Marking

The 3M Fahrenheit goggle has demonstrated compliance with the requirements of EN 166:2001 and associated standards and bears the following marks:

### Lens marking

Clear acetate lens	2C-1.2 3M 1 K N BT 9
Clear polycarbonate lens	2C-1.2 3M 1 N FT

### Frame marking

Frame 2890	3M 2890 EN166 3 4 9 BT CE
Frame 2890A	3M 2890A EN166 3 4 FT CE
Frame 2890S	3M 2890S EN166 3 4 5 9 BT CE
Frame 2890SA	3M 2890SA EN166 3 4 5 FT CE

## Explanation of Marking

Marking	Description
2C-1.2 (EN 170:2002)	UV protection with good colour recognition. This product conforms to the requirements of the standard, providing UV protection for the complete specified range (210nm – 365nm).
1	Optical class
F	Impact protection against high speed particle at low energy (45m/s)
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
5	Field of use: Molten Metal Product protects against molten metals and hot solids



**Personal Safety Division**  
**EMEA Region**  
3M Centre,  
Cain Road, Bracknell  
Berkshire RG12 8HT  
United Kingdom  
Tel: +44 (0) 1344 858000  
[www.3M.eu/safety](http://www.3M.eu/safety)

Distributor By:



**SHEIDA INTERNATIONAL CO LLC**  
Safety Products & Services  
P.O. Box 120, PC 114  
Muscat, Sultanate of Oman  
Tel: +968 92803889  
Email: [info@sheidainternational.com](mailto:info@sheidainternational.com)  
Web : [www.sheidainternational.com](http://www.sheidainternational.com)