

Technical Specifications

3M™ Solus Protective Eyewear 1000 Series

Published: April 2017

Replaces all previously published technical specifications for the applicable products until superseded.

Description

Scotchgard™ Anti-Fog Coating is available on 3M™ Solus Safety Eyewear 1000 Series in a range of lens colours (clear, grey, indoor/outdoor and amber). Other features include removable temples, soft nose bridge, optional elastic strap, padded temples for added comfort and vented, removable foam gasket to help reduce eye exposure.



Key Features of Eyewear

- Scotchgard™ Anti-Fog Coating
- Removable Gasket
- Soft Nose bridge (Removable)
- Coating Lasts at Least 25 Washings
- Contemporary Styling
- Screwless Hinge/Nose Piece
- Absorbs 99.9% of UVA and UVB
- Removable Temple w/Optional Strap

Materials Composition

- Lens: Polycarbonate
- Temple: Polycarbonate/TPE –Thermoplastic Elastomer
- Strap (Cloth): Nylon
- Hinge Piece: Polycarbonate
- Gasket: Nylon
- Nose Piece: TPR–Thermo Plastic Resin
- Strap Buckle: Polyoxymethylene
- Strap Connector: Polycarbonate

Approximate Weight

Spectacles with temples = 24 g (0.85 oz)
 Pair of temples = 6 g (0.21 oz)
 Gasket = 8 g (0.28 oz)
 Strap assembly = 10 g (0.35 oz)

Regulatory Approvals

Approved to CSA Z94.3 Eye and Face Protectors and meets the requirements of ANSI Z87.1-2010.

Markings

The lenses and frames are marked in accordance with the requirements of ANSI Z87.1-2010 and CSA Z94.3-2007

Example of CSA Z94.3-2007

Manufacturer's Identification: 3M

Temple Markings

Standard CSAZ94.3 

Lens Colour	Description
Clear	For general indoor applications where impact protection is required. Also helps protect against ultraviolet light. Luminous Transmittance is >85%.
Grey	For outdoor applications where light and glare can cause eye strain and fatigue. A grey tint provides good protection from glare and helps keep distortion of colours to a minimum.
Indoor/Outdoor	For tasks requiring frequent movement between indoor and outdoor. Reduces brightness and glare.
Amber	A yellow tint helps make objects appear sharper against a blue or green background. Blocks the blue portion of the visible light spectrum, sometimes marketed as "blue blockers," creating maximum contrast enhancement particularly in low light. Yellow tints are good for overcast, hazy or foggy conditions.

Product No.	SAP ID	Solus Eyewear Product Description	Per Case
S1101SGAF	7100079183	3M™ Solus, Blue/Black Eyewear with Clear Scotchgard™ Anti-Fog Lens, 1000 Series	20
S1101SGAF-KT	7100079186	KIT: 3M™ Solus, Blue/Black Eyewear with Clear Scotchgard™ Anti-Fog Lens, Foam Gasket & Strap, 1000 Series	20
S1102SGAF	7100079184	3M™ Solus, Blue/Black Eyewear with Grey Scotchgard™ Anti-Fog Lens, 1000 Series	20
S1102SGAF-KT	7100105846	KIT: 3M™ Solus, Blue/Black Eyewear with Grey Scotchgard™ Anti-Fog Lens, Foam Gasket & Strap, 1000 Series	20
S1107SGAF	7100131794	3M™ Solus, Blue/Black Eyewear with Indoor/Outdoor Grey Scotchgard™ Anti-Fog Lens, 1000 Series	20
S1107SGAF-KT	7100131819	KIT: 3M™ Solus, Blue/Black Eyewear with Indoor/Outdoor Grey Scotchgard™ Anti-Fog Lens, Foam Gasket & Strap, 1000 Series	20
S1103SGAF	7100079185	3M™ Solus, Blue/Black Eyewear with Amber Scotchgard™ Anti-Fog Lens, 1000 Series	20

Maintenance and Storage

Thoroughly clean all surfaces with a mild soap solution and lukewarm water, rinse. Dry with a soft cloth or tissue. Do not use any solvents on these lenses, including anti-fog wipes. This product should be stored in the packaging provided in dry, clean conditions, between temperatures of 10°C (50°F) and 30°C (86°F).

Alternative cleaning option: 3M™ Super-Clear Protective Eyewear Lens Cleaning Towelettes, 83745-00000.

Special Precautions

Always use both hands to put on and remove eyewear. Do not use excessive force when pulling apart temples. Inspect eyewear frequently and replace immediately if you notice cracking, crazing, pitting, scratching, deformation, or other signs of damage. Follow all instructions provided with product.



3M Personal Safety Division
3M Canada
London, ON N6A 4T1

For more information
Technical Service: 1-800-267-4414
Customer Service: 1-800-364-3577

WARNING

These eye and face protection products help provide limited eye and face protection. **Misuse or failure to follow warnings and User Instructions may result in serious potential injury, including blindness or death.** For proper use, selection and applications against flying particles, optical radiation and/or splash, see supervisor, read *User Instructions* and warnings on the package or call 3M PSD Technical Service in the USA at 800-243-4630. In Canada, call Technical Service at 1-800-267-4414.

3M.ca/Solus

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