

Introducing...fX³ Premium Anti-Fog!



The fX³™ Advantage

SUPERIOR ANTI-FOG PERFORMANCE.

Engineered with an innovative solution that fights fog better than current alternatives.

LONGER-LASTING EFFECTIVENESS.

Adheres longer than water-based coatings, and stands up to multiple lens cleanings.

GREATER SCRATCH RESISTANCE.

Stands up to scratching eight times better than standard anti-fog coatings.

Overview: The Problem with Fog

Lenses fog due to changes in temperature, when small pockets of moisture condense on the lens, causing a hazy-white fog to form.

Foggy lenses are a major complaint from workers regarding safety eyewear and a frequent reason for non-compliance.

Workers who remove their safety eyewear to wipe fogged lenses expose themselves to serious eye injury.

Evolution of fX3: 3rd Generation Anti-Fog

Generation 1: Diluted Sprays. Some manufacturers claiming “anti-fog” lenses are using watered down solutions that are simply sprayed onto one side of the lens. This saves cost, but does not typically provide strong resistance to fogging.

Generation 2: fX2 Anti-Fog. Gateway Safety’s high-quality anti-fog solution available in most eyewear product styles. fX2 is applied by dipping our lenses to coat both sides, and fX2 is not watered down.

Generation 3: fX3 Premium Anti-Fog. Realizing a need for better anti-fog performance exists for certain workers wearing eye protection, Gateway Safety introduces fX3, a superior anti-fog solution that provides a powerful resistance to fogging in humid environments.



Gateway Safety glasses with fX3 premium anti-fog



Competition safety glasses without fX3 premium anti-fog

Testing & Performance

fX3 premium anti-fog has been tested in accordance with the European standard for anti-fog (EN 166). Test products were also subjected to steam, cleaning, adhesion and wipe tests for extended periods to simulate humid working conditions.

	Generation 1 COMPETITOR'S AF PRODUCT	Generation 2 fX2 ANTI-FOG	Generation 3 fX3 PREMIUM ANTI-FOG
EN166 N TEST (8 seconds)	1-2 seconds	3-6 seconds	Over 60 seconds
STEAM TEST (30 minutes)	Fogged after 1 minute	No fogging	No fogging
CLEANING TEST (15 ultrasonic lens cleanings)	Lasted 1 cleaning	Lasted 6 cleanings	Lasted 15 cleanings
ADHESION TEST (50 hours)	Coating completely peeled off	Coating slightly peeled off	Coating still adhered to lens
WIPE TEST (30 wipes)	Fogged after 1-2 wipes	Fogged after 7 wipes	After 30 wipes, no fogging

Products Featuring fx³ Premium Anti-Fog

StarLite®

The original, industry-leading style in safety eyewear.



Part #	Product Description	Std Pkg
46X9	Clear Temples/Clear fx3 Premium Anti-Fog Lens	10/box
46X8	Gray Temples/Gray fx3 Premium Anti-Fog Lens	10/box

Conqueror®

Sleek, modern style with ergonomic temple tips and breakaway retainer.



Part #	Product Description	Std Pkg
28GBX9	Black Frame/Clear fx3 Premium Anti-Fog Lens	10/box
28USX9	NEW! Old Glory Camo Frame/Clear fx3 Premium Anti-Fog Lens	10/box
28USX8	NEW! Old Glory Camo Frame/Gray fx3 Premium Anti-Fog Lens	10/box

Swap®

Hybrid safety eyewear that can be worn with temples or a strap, with a soft foam lining.



Part #	Product Description	Std Pkg
21GBX9	Black Frame/Foam Edge/Clear fx3 Premium Anti-Fog Lens	10/box
21GBX8	Black Frame/Foam Edge/Gray fx3 Premium Anti-Fog Lens	10/box

Ellipse™ (NEW!!)

Revolutionary, lightweight design, with elongated temples that gently hug the head.



Part #	Product Description	Std Pkg
20GYX9	Gray Temples/Clear fx3 Premium Anti-Fog Lens	10/box
20GYX8	Gray Temples/Gray fx3 Premium Anti-Fog Lens	10/box

4x4® Camo (NEW!!)

Rugged, full-frame safety eyewear now in the new Classic Camo pattern frame.



Part #	Product Description	Std Pkg
41CMX9	Classic Camo Frame/Clear fx3 Premium Anti-Fog Lens	10/box
41CMX8	Classic Camo Frame/Gray fx3 Premium Anti-Fog Lens	10/box
41CMX7	Classic Camo Frame/Amber fx3 Premium Anti-Fog Lens	10/box

Do Your Safety Glasses Meet the Standards?

All Gateway Safety products featuring fx³ premium anti-fog are independently tested and certified by UL to meet ANSI Z87+ and CSA Z94.3 standards.

These products also meet the US Military ballistics requirement in MIL PRF 32432 (GL) and provide 99.9% UV-A, B & C protection.

