

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 |

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.

