

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 ANSI Z87.1-2020 optional test for anti-fog. 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
ANSI X TEST - 8 seconds (50 degrees C water temp with conditioning)	Fogged after 1-2 seconds	Fogged after 3-6 seconds	No fogging, over 60 seconds
STEAM TEST - 30 minutes (80 degrees C water temp without conditioning)	Fogged after 1 minute	No fogging	No fogging
WIPE TEST - 30 wipes	Fogged after 1-2 wipes	Fogged after 7 wipes	After 30 wipes, no fogging

Products Featuring fx³ Premium Anti-Fog

SAFETY GLASSES

Part #	Product Description	Std. Pkg.
46X9	StarLite/Clear Temples/Clear fx3 Premium Anti-Fog Lens	10/box
46X8	StarLite/Gray Temples/Gray fx3 Premium Anti-Fog Lens	10/box
20GYX9	Ellipse/Gray Temples/Clear fx3 Premium Anti-Fog Lens	10/box
20GYX8	Ellipse/Gray Temples/Gray fx3 Premium Anti-Fog Lens	10/box
28GBX9	Conqueror/Black Frame/Clear fx3 Premium Anti-Fog Lens	10/box
28USX9	Conqueror/Old Glory Camo Frame/Clear fx3 Premium Anti-Fog Lens	10/box
28USX8	Conqueror/Old Glory Camo Frame/Gray fx3 Premium Anti-Fog Lens	10/box
41CMX9	4x4/Classic Camo Frame/Clear fx3 Premium Anti-Fog Lens	10/box
41CMX8	4x4/Classic Camo Frame/Gray fx3 Premium Anti-Fog Lens	10/box
41CMX7	4x4/Classic Camo Frame/Amber fx3 Premium Anti-Fog Lens	10/box
29MDX9	SteelyBlues Metal Detectable Safety Glasses/Translucent Blue Temples/Clear fx3 Premium Anti-Fog Lens	10/box



HYBRID SAFETY EYEWEAR

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



SAFETY GOGGLES

Part #	Product Description	Std. Pkg.
45ONX9	Wheelz/Clear Frame/Clear fx3 Premium Anti-Fog Lens	10/box
25ONX9	BigSur/Clear Frame/Clear fx3 Premium Anti-Fog Lens	10/box

