



**BRASS
KNUCKLE®**

**THE MOST STRINGENT ANTI-FOG
STANDARDS IN THE WORLD**



BRASS KNUCKLE® BK-ANTI-FOG AND BK-ANTI-FOG+ COATINGS

Lenses can fog in almost every application. Going from cool to warm air. Going from outdoor to indoor environments. In high humidity. During strenuous work that causes perspiration. Even warm breath in a cool room or the heat rising from a motor can cause lenses to fog.

Fog means double trouble. First, fog reduces visibility. That's a hazard in itself. Second, fogged-up lenses make workers want to remove their safety glasses. No eye protection equals "out of compliance" — and, most importantly, in those vulnerable seconds or minutes, eyes are exposed to potential hazards where eye injuries can occur.

Before a U.S. anti-fog standard existed, one seller of worker protection, Brass Knuckle, decided it was important to measure its eye protection products by a standard. The company began with EN 166/168, the European standard and the most stringent anti-fog standard in the world at the time. Then Brass Knuckle went beyond it. Voluntarily.



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TWO LEVELS OF PROTECTION

Brass Knuckle's proprietary anti-fog lens coating uses groundbreaking technology that delivers better, longer-lasting fog-free protection than competing products. It is the toughest anti-fog standard in the world, exceeding ANSI and EN standards. The result is two coatings, **BK-Anti-FOG** and **BK-Anti-FOG+**, that provide extreme anti-fog performance and improve worker safety and productivity.



Brass Knuckle **BK-Anti-FOG** lasts 15x longer than the EN168 standard (two full minutes vs. eight seconds) for a fog-free view under even the most demanding hot and humid conditions. That extra time is what is needed for lenses to come into balance with temperature fluctuations, the principal cause of lens fogging.



Brass Knuckle **BK-Anti-FOG+** is a premium anti-fog coating that delivers anti-fog protection that lasts 45x longer than the EN standard. Best-in-class BK-Anti-FOG+ protection lasts more than six minutes. In the world of eye protection, it's as good as anti-fog protection gets.

How does BK-Anti-FOG work?

What our eyes see as fog is actually thousands of tiny water bubbles formed when moisture in the air condenses on the lenses. BK-Anti-FOG coating prevents these bubbles from forming. BK-Anti-FOG is bonded directly onto the lens surface, not sprayed on like some cheaper alternatives, so lenses retain their fog-fighting properties wear after wear. Because it is bonded directly to the lens, you can't wipe it off, either. There's no reapplying and no maintenance needed.

BK-Anti-FOG and BK-Anti-FOG+

They keep lenses clear by first absorbing and then repelling moisture to the sides of the lens once a saturation point has been reached.

WHY DO MY SAFETY GLASSES FOG?



There is no anti-fog standard in the U.S.—ANSI or any other—for protective eyewear. If you have experienced poor anti-fog performance on safety glasses, it is likely they were manufactured without adherence to a standard of any kind.

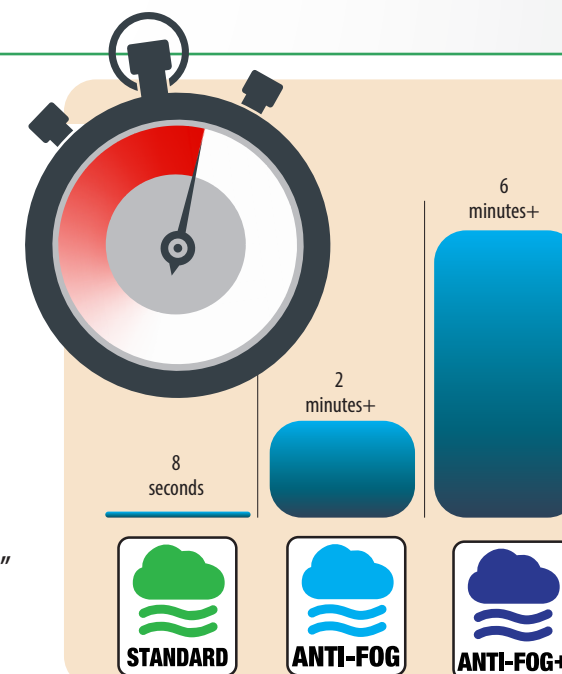


We decided it was important to measure our safety products by a standard—so we went to EN 166/168, the most stringent anti-fog standard in the world. Then we went beyond it. Voluntarily.



IT'S ABOUT TIME. LITERALLY.

Anti-fog coatings were created to keep the lens clear from the moment when fog would normally form to the moment when the lens would adjust to the temperature change. But not all anti-fog coatings are created equal. Depending on the temperature differential, it may require two seconds of fog protection before a lens adapts or takes on the temperature of the environment. Extreme conditions of heat and humidity can lengthen the time to unfog. This means wearers will need more robust fog protection—or else they'll be “working blind” and removing their eyewear. **A compliance killer!**



HOW TO CHOOSE THE RIGHT ANTI-FOG PROTECTION



Type of Anti-Fog Protection	Meets Standard	Anti-Fog Performance/Duration	Benefits
Brass Knuckle® BK-Anti-FOG+ (Best-in-Class Anti-Fog)	EN 166/168, requires 8 seconds	6 minutes+ Exceeds EN standard	Permanently bonded to the lens; will not wear off or wash off. Tested under the most stringent anti-fog standard in the world, the European EN 166/168, and EXCEEDS the standard. BK-Anti-FOG+'s anti-fog properties last 45X longer than required minimums — rendering this eyewear virtually fog free. Retains its anti-scratch, anti-static and UV protection properties.
Brass Knuckle® BK-Anti-FOG (Excellent Anti-Fog)	EN 166/168, requires 8 seconds	2 minutes+ Exceeds EN standard	Permanently bonded to the lens; will not wear off or wash off. Anti-fog protection exceeds European EN 166/168 — lasts 15 times longer! Retains its anti-scratch, anti-static and UV protection properties.
Brass Knuckle® Standard Anti-Fog	EN 166/168, requires 8 seconds	8 seconds	Proprietary formula but not related to the BK-Anti-FOG formula. Limited anti-fog protection for occasional need.



Brass Knuckle® BK-Anti-FOG & BK-Anti-FOG+ Spectacles

Part Number	Brand	Temple/Description	Anti-Fog
BKFIX-3100NP	Snap	Fixed Temple	BK-Anti-FOG+
BKFIX-3060NP	Raider	Fixed Temple	BK-Anti-FOG+
BKFLEX-4050AFP	Slingshot	Fixed Temple	BK-Anti-FOG+
BKDST-1020NP	Crusher	Dust goggle; removable gasket converts to standard spectacle.	BK-Anti-FOG+
BKDST-1050AFP	Midnight	Dust goggle; removable gasket converts to standard spectacle.	BK-Anti-FOG+
BKDST-1040NP	Transformer	Dust goggle Switch from strap to temple.	BK-Anti-FOG+
BKDST-1030	Mega	Dust goggle Switch from strap to temple.	BK-Anti-FOG+
BKADJ-5060AFP	Spike	Adjustable Temple	BK-Anti-FOG+
BKFLEX-4040N	Spectrum	Fixed Temple	BK-Anti-FOG
BKDST-1010N	Grasshopper	Dust goggle; removable gasket converts to standard spectacle.	BK-Anti-FOG
BKDST-1010PN	Pink Grasshopper	Dust goggle; removable gasket converts to standard spectacle.	BK-Anti-FOG
BKOTG-9010	Smalls	OTG Spectacle	BK-Anti-FOG

Brass Knuckle® BK-Anti-FOG Goggles

BKGG-2020N

Vader Combo BK-Anti-FOG Goggle/Face shield combo, (D3 rated)



BKGG-2010N (vented), D3 rated
BKGG-2030N (unvented), D4 rated
Vader Goggle BK-Anti-FOG Goggle (splash)



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