

Helps workers see clearly longer.

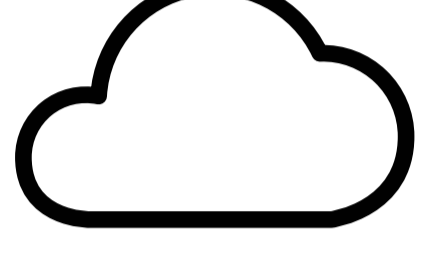
See the science behind 3M™ Anti-Fog Coatings.



Workers in environments with significant temperature changes are most likely to experience fogging

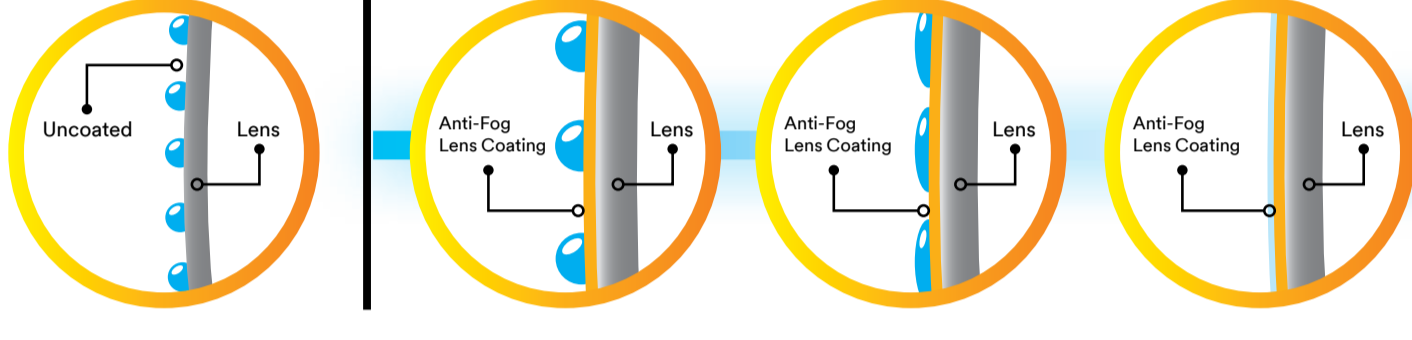
Fogging on protective eyewear lenses can **obscure a workers field of vision**, potentially leading to a **workplace injury** due to poor visibility. Excessive fogging can also prompt a worker to remove their protective eyewear, leaving eyes exposed to workplace hazards.

How do anti-fog coatings work?



Fog

Clear



Microdroplets form on the lens, blocking vision

Anti-fog coating reduces droplet contact angle

Forming a film to allow light to pass through

Fast facts... did you know?

- Protective eyewear coatings can feature both fog and scratch-resistance
- Most 3M™ Anti-Fog Coatings are applied to both sides of the lens, helping to increase anti-fog performance across a range of environments



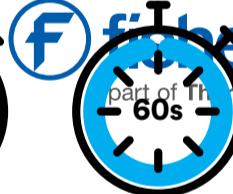
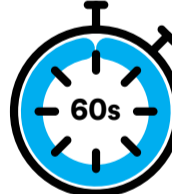
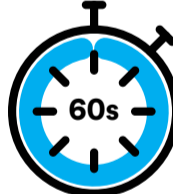
Anti-Fog Performance

Hazards vary by job, which is why 3M offers three different anti-fog coatings, allowing workers to select the option that meets their needs.



Anti-fog Performance

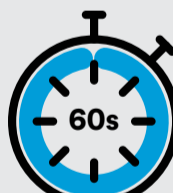
Resistance to fogging during first use



part of Thermo Fisher Scientific

Anti-fog Performance

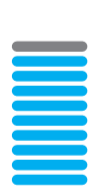
After soaking in water for 1-2 hours*



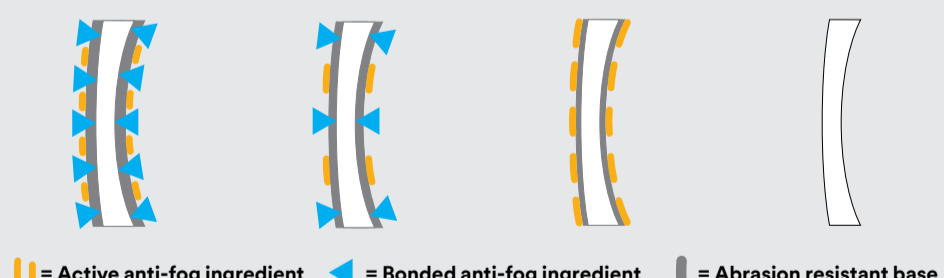
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Anti-Scratch Performance

After falling sand abrasion**



Coating Coverage/ Application to Lens



Wash Durability

with limited change to performance



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Work Environments

Ideal for dirty work environments with frequent temperature changes

Ideal for moderately dirty environments with frequent temperature changes

Ideal for environments with minimal temperature changes

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Meets ANSI/ISEA Z87.1 "X" and EN166 "N" Anti-Fog Requirements



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Meets EN166 "K" Resistance to Abrasion by Fine Particles



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* as per ANSI Z87.1/EN166 test protocol
** as per EN166 test protocol