



PYRAMEX

SEE FOR YOURSELF

H₂X NEW H₂X Anti-fog Technology from Pyramex Safety provides more clarity and better optical performance than the competing anti-fog treatments.




Competing anti-fog treatments

OR



H₂X

Anti-fog Performance Test Description	Test Results	
	Competing Anti-Fog	
Steam Test: (40 cm away from the nozzle of the heat steam)	2 minutes before fogging	30 minutes before fogging
Water Test: (Dip lens in water for one hour, then place it 10cm distance above water at 50°C)	5 seconds before fogging	6 seconds before fogging
Rinsing test - with soap water	Cannot resist soap water rinsing	Resists 4 times before fogging
Curing in the UV chamber for 50 hours	After 50 hours of UV exposure, there is no change in the lenses physical appearance (no peeling). AF performance is reduced but there is no influence on UV protection.	After 50 hours of UV exposure, there is no change in the lenses physical appearance (no peeling). AF performance is reduced but there is no influence on UV protection.
Weathering test: (Expose lens to direct UV radiation and rain. Then observe any changes that occur to the lens.)	After two weeks of exposure to UV, the anti-fog performance gradually fades away. Lens can still pass the breath test after 15 days. No influence on UV protection.	After two weeks of exposure to UV, the anti-fog performance gradually fades away. Lens can still pass the breath test after 15 days. No influence on UV protection.
Cleaning test with Pyramex towelettes: (Wipe the lens with towelette, on inner side and outer side. Then allow the lens to air dry before the next cleaning.)	Resists 5 cleanings before fogging	Resists 10 cleanings before fogging
Hardness Test - with steel wool	Resists scratching up to 100g weight	Resists scratching up to 100g weight

H₂X technology is available in select models of Pyramex Safety eyewear. Contact your sales rep for more details.



Innovative H₂X™ Anti-Fog Lens Coating from Pyramex®

New, innovative anti-fog, anti-scratch lens coating - The new anti-fog technology, H₂X, blocks out fog, mist, sweat and steam. As weather constantly changes from one extreme to the next, people require eye protection that exceeds the norm so they are able keep up with the variant conditions. With H₂X the customer's vision will remain optically clear in any weather element. H₂X anti-fog coating is bonded to the lenses, and will continue to be effective even after repeated cleanings.

Clear vision is imperative to accomplish proper safety precautions in today's workplace. With the advanced technology of H₂X, Pyramex lenses remain unaffected by steam 15 times longer than other anti-fog treatments. The new coating will withstand weather and temperature environments where humid or cold conditions cause eyewear to fog.

More H₂X Features:

*ANTI-FOG

*ANTI-SCRATCH: H₂X has an upgraded anti-scratched performance.

*ANTI-STATIC: Lenses do not attract dust.

*ANTI-UV RADIATION: All of our lenses provide UVA & UVB protection due to the feature of PC raw material.

In addition, H₂X is highly recommended because:

- 1) It has waterproof, anti-fog performance with excellent scratch resistance.
- 2) Its high refractive index reduces rainbow-like refraction on the spectacles and enhances esthetic appearances.
- 3) It can increase the visible light transmission of Polycarbonate from 88-89% up to 90-91% that make the substrate crystal clear and shiny.
- 4) Water based system is not only environmentally friendly, but also non-invasive toward polycarbonate lenses.
- 5) It is self-sealable under regular usage. Its Anti-fog and Ant-scratch features are recoverable to a certain extent.

Cleaning:

Although the new anti fog coating is washable, it CANNOT be wiped when it is wet. The coating is very soft when it absorbs humidity due to the surfactant (coating ingredient) feature.

Correct Cleaning Method:

1. Air blow or rinse the lens to remove surface grit
2. Pat dry with a clean, soft, lint-free cloth or tissue
3. Wipe with soft cleaning towelette

Reminder:

*Do not use solvents or abrasive cleaners.

*In case the lens is wet, DO NOT wipe it. Dry the lens in the shade and then wipe with soft cleaning cloth.

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