



OUTER SHELL

MILLIKEN HORIZON™

PROVIDING STRENGTH AND UNIFORMITY.

Milliken Horizon™ is a lightweight, non-PFAS outer shell fabric that maintains its color and tear strength, wash after wash and call after call. Providing the market with the highest strength retention possible, maintaining 98.9% in NFPA's multi-conditioning testing, it can withstand fire department's most difficult and dangerous jobs.

Horizon doesn't just work hard on-the-job, it works hard off-the-clock, too. Powered by ColorSeal™ technology, the fabric retains its appearance and color through repeated launderings and UV exposure. This gives your department a level of uniformity and professionalism other fabrics can't deliver.

- + 2x stronger than NFPA requirement for tear strength
- + 2x more water repellent than NFPA requirement
- + Fade resistant, even after 50 washes and 120 hours sun exposure

Milliken™



Milliken Horizon™ Outer Shell Performance Data			UL® certified to NFPA 1971-2018 (Structural) and NFPA 1951-2020 (Technical Rescue)	
HORIZON PERFORMANCE		SPEC	TEST METHOD	WHY IT MATTERS
Protection				
Strength (lbs.)	62 x 58	≥22 x ≥22	Trap Tear (as received) ASTM5587	Twice as strong as the requirement, Horizon is a durable outer shell that protects against physical hazards.
Water Repelency with a Non-PFAS Finish	< 8%	< 15%	Water Absorption - NFPA ASTM 42 AATCC 135-1,V,Ai	Horizon is 2X more water repelent than the NFPA requirement. Keeps firefighter dry and reduces chemical exposure.
Durability				
Fade Resistance to Laundering	Best in Class	-	50 Wash Cycles	Maintains color even after 50 washes. This color retention helps crews maintain a professional and uniform appearance.
Fade Resistance to UV Light	Best in Class	-	120 Hour UV Exposure	Maintains color even after 120 hours of UV exposure. This color retention helps crews maintain a professional uniform appearance.
Comfort				
Light Weight	6.8 oz/yd²	-	ASTM D3776	Choosing a lighter weight outer shell fabric helps to reduce the overall weight of the turnout gear to offer improve mobility and lessen fatigue and heat stress.

Note: "Process Averages" are historical averages; actual results may vary by lot, but will meet the minimum "Specs."
Guaranteed flame resistance for the life of the garment when washed according to care instructions.

Answering the Call for a Non-PFAS System

With Assure, Milliken became the first and only U.S.-based manufacturer to offer a non-PFAS fabric for every layer of a firefighter's turnout gear. Fire departments and PPE committees can now specify fully non-PFAS turnout gear coats and pants that provide the same levels of comfort, durability and performance they depend on, without the chemicals they don't.

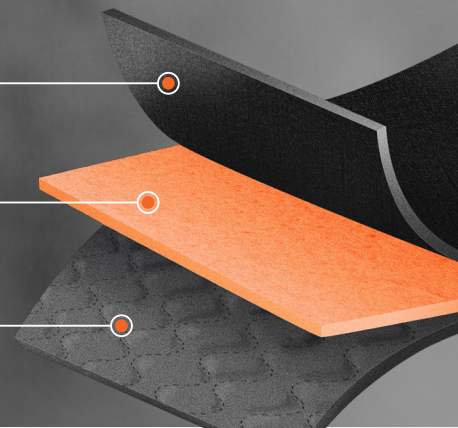
Horizon/Assure/Equinox 3-Layer	Horizon/Assure/Equinox 2-Layer
+ 275 THL	+ 293 THL
+ 40.9 TPP	+ 38.2 TPP

UL data – NFPA 1971-2018 certified November 2024

Milliken™
Horizon™
Outer Shell

Milliken™
Assure™
Moisture Barrier

Milliken™
Equinox™
Thermal Liner



Contact the Milliken Fire Service team today to learn more.

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