



THERMAL LINER

MILLIKEN EQUINOX™

PROVIDING SUPERIOR THERMAL PROTECTION.

Equinox™ uses three layers of lightweight aramid-blended spunlace to provide superior wicking and moisture management. Milliken technology delivers high breathability and greater thermal protection without adding weight, and can help decrease cardiovascular stress over both the short and long-term. And our slick, ultra-low friction facecloth assures lightning-quick donning and doffing. Safe, lightweight, and flexible — Equinox™ is also a step up in comfort. Why wear anything else?

- + 1 oz lighter than competitive products
- + 2x as breathable as competitive products
- + Best in class, low-friction material for quick donning and doffing

Milliken™



Milliken Equinox™ Thermal Liner Performance Data				UL® certified to NFPA 1971-2018 (Proximity and Structural Fire Fighting component)
EQUINOX PERFORMANCE		SPEC	TEST METHOD	WHY IT MATTERS
Protection				
Thermal Protection	3-layer, FR nonwoven construction	-	TPP NFPA 1971	Highly engineered, light weight three layer construction allows for maximum protection against fire hazards, while still allowing body heat to release.
Comfort				
Light Weight	6.6 oz/yd²	-	ASTM D3776	Choosing a lighter weight thermal liner helps to reduce the weight of the turnout gear system to improve mobility and lessen fatigue and heat stress.
Moisture Wicking	1.4 seconds	-	AATCC 118 (water) - Wicking	Immediately pulls moisture away from the wearer, allowing the body to better regulate temperature and reduce heat build up.
Breathability	105 cfm	Competitive Fabric - 51 cfm	ASTM D737 - Air Permeability	CFM (cubic feet per minute) measures the rate at which air flows through a fabric. The higher the CFM, the more breathable the fabric. Equinox is 2x as breathable as the leading competitive thermal liner, allowing body heat to escape faster while still protecting the wearer from fire.
Ease of Use				
Fast Donning and Doffing	0.6	-	Sled Friction ASTM D1894	Best in class, low-friction face cloth and light weight allows for quicker on and off improving response time.

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.

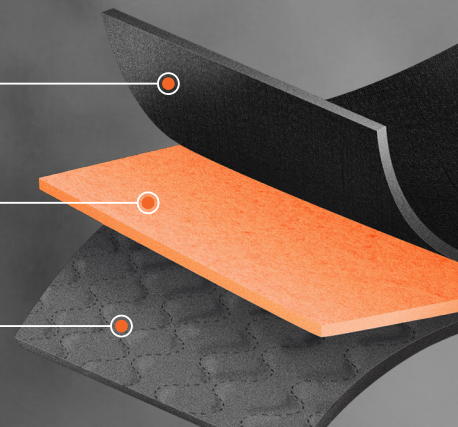
Horizon/Assure/Equinox 3-Layer	Horizon/Assure/Equinox 2-Layer
+ 275 THL	+ 293 THL
+ 40.9 TPP	+ 38.2 TPP

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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