

Built to Protect



Milliken®

**FIRE SERVICE
PRODUCT PORTFOLIO**

We share your passion for protecting people.

Milliken has been a key partner and supplier of high-performance textiles to every branch of the U.S. Military since World War II. Engineered to protect against intense fire threats—from combat to burning buildings—our ResQ products are the ideal choice for first responders who demand unyielding quality and reliability in primary thermal hazard protection.

Similar to Milliken ResQ fabrics protecting our troops for years, our Westex secondary flame resistant fabrics have protected millions of industrial workers for decades. As one of the only manufacturers to engineer products with all three types of FR technologies, we are confident that our products perform, which is why they are guaranteed flame resistant for the life of the garment.

We share your passion for protecting people, which is why we are committed to bringing you—our everyday heroes—the most cutting-edge fabrics to equip you more effectively than ever before. We leverage decades of FR expertise and proven performance to improve the PPE of first responders and ultimately deliver unmatched comfort, protection and performance not only when fighting fires, but also on every distress call answered.



We are committed to bringing you—our everyday heroes—the most cutting-edge fabrics to equip you more effectively than ever before.

ENGINEERED WITH YOU IN MIND.

Through department visits and round-table discussions, we actively seek and obtain end-user insights to give first responders exactly what you are looking for in your gear.



Breathable



Color
Consistency



Flame
Resistant



Wash
Durability



Premium
Comfort



Odor Control



Protection



Stain Release



Stretch



FABRICS MADE FOR THE SITUATIONS YOU FACE.



Innovative primary protective fabrics for structural firefighting designed to be lightweight, durable and comfortable for the harshest conditions.

ResQ™ Synergy®

This highly durable outer shell fabric is designed for turnout gear.

ResQ™ Synergy® Pro

This highly durable outer shell fabric is designed for superior protection and comfort.

ResQ™ CoreCXP™

This lightweight, quilted thermal liner pairs well with our lightweight outer shell fabrics and moisture barrier substrates for comfortable, complete and reliable turnout gear.

Moisture Barriers and Reflective Tape

Our performance-driven woven moisture barrier and reflective tape substrates provide multi-certified protection.

TECGEN®

Exclusive manufacturer of TECGEN FR™ fabrics for FireDex®

TECGEN51

As a dual-certified, revolutionary fabric, TECGEN51 is designed to deliver superior Thermal Protective Performance (TPP), Radiant Protective Performance (RPP), breathability and flexibility to combat heat stress and keep you moving freely.

TECGEN71

A lightweight outer shell fabric with a unique construction that enhances breathability and flexibility while providing the highest THL performance on the market. This fabric is specifically designed to combat heat stress while firefighters are in structural turnout gear.



Advanced thermal protective fabrics for station wear, technical rescue, emergency medical and wildland firefighting.

Westex® DH

As a patented, tri-certified blend fabric, Westex DH is engineered to manage moisture and breathe better than other leading FR fabrics. With a low propensity for pilling, this exceptionally comfortable fabric gives first responders a more professional look.

Westex Synergy® Pro

Westex Synergy® Pro is engineered to provide comfort, durability, and superior protection.

Westex Synergy®

This highly durable fabric is designed for superior protection.


Westex UltraSoft®

Through our advanced, proprietary FR engineering and softening processes, Westex UltraSoft® provides the comfort of cotton without sacrificing safety.

STATION WEAR



Delivering NFPA® 1975 compliant protection with enhanced comfort features, our station wear is engineered to equip firefighters for every moment from service to sleep. While cotton and poly-cotton are traditionally the station wear fabrics of choice, fire departments are making the switch to FR station wear because it will not melt, drip, stick, shrink or trap moisture under turnouts—providing you with an extra layer of protection and highly sought-after, quick-drying comfort.

 WESTEX <small>A MILLIKEN BRAND</small>	Fiber Content	Weight (oz/yd ²)	Construction
Westex® DH	47 - 48% Lenzing™ Lyocell 38 - 40% Modacrylic 12 - 15% Aramid	4.5	Jersey Knit
		5.5	2x1 Twill
		6.5	2x1 Twill
		7.5	2x1 Twill
		7.5	RipTwill
		7.5	Rib Knit
		8	Canvas
Westex Synergy® Pro	93% Meta-Aramid 5% Para-Aramid 2% Antistat	4.5	Plain
		6	Plain
		6.5	Twill
		7.5	Plain



Make sure you're wearing a minimal level of protection for every call, every day—especially when turnout gear isn't needed—with FR station wear.


Unlike non-FR poly-cotton, which melts at less than 500 degrees Fahrenheit and increases the risk of severe burn injuries, FR station wear gives you an extra layer of protection.

Thanks to its durability, FR station wear provides a more professional appearance wash after wash, wear after wear—and a higher long-term return on investment.

WILDLAND FIREFIGHTING



Engineered to help combat heat stress in extreme conditions, Milliken fabrics for wildland firefighters are tested for Total Heat Loss (THL), Radiant Protective Performance (RPP) and Thermal Shrinkage Resistance to meet or exceed the requirements of NFPA® 1977. Delivering maximum levels of lasting comfort, Milliken FR fabrics endure the most demanding jobs in the most difficult terrain.

 WESTEX <small>A MILLIKEN BRAND</small>	Fiber Content	Weight (oz/yd ²)	Construction
Westex® DH	47 - 48% Lenzing™ Lyocell 38 - 40% Modacrylic 12 - 15% Aramid	5.5	2x1 Twill
		6.5	2x1 Twill
		7.5	2x1 Twill
		7.5	RipTwill
		8	Canvas
Westex Synergy® Pro	93% Teijinconex® Neo 5% Twaron® 2% Antistat	6	Plain
Westex Synergy®	93% Meta-Aramid 5% Para-Aramid 2% Antistat	5.5	Twill
		5.8	Basket Weave
		6	Plain
		6.5	2x1 Twill
		7.5	Plain
		7.7	2x1 Twill

Exclusive manufacturer of TECGEN FR™ fabrics for FireDex®


TECGEN51	Proprietary Blend	6.5	2x1 Twill
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STRUCTURAL FIREFIGHTING



Protecting those who rush in when others rush out means delivering fabrics certified to NFPA® 1971 standards. Milliken strives to deliver highly breathable, lightweight and flexible fabrics for turnout gear that help keep firefighters cool, comfortable and protected so they can focus. That's why we offer a range of FR fabrics innovated for all three layers of your ensemble.

Milliken® ResQ™ 	Fiber Content	Weight (oz/yd²)	Construction
ResQ™ Synergy® (Outer Shell)	93% Meta-Aramid 5% Para-Aramid 2% Antistat	7.5	Plain
ResQ™ Synergy® Pro (Outer Shell)	93% Meta-Aramid 5% Para-Aramid 2% Antistat	7.5	Plain
ResQ™ CoreCXP™ (2-Layer Thermal Liner)	Face Cloth: 93/5/2 Layer 1: S/723 Spunlace Layer 2: S/715 Spunlace	3.3 2.3 1.5	Quilted
ResQ™ CoreCXP™ (1-Layer Thermal Liner)	Face Cloth: 93/5/2 Layer 1: S/723 Spunlace	3.3 2.3	Quilted
Exclusive manufacturer of TECGEN FR™ fabrics for FireDex®			
TECGEN71 (Outer Shell)	60% Para-Aramid 22% Meta-Aramid 18% TECGEN®	6.5	RipTwill

TECGEN71

Engineered to outperform other outer shell fabrics when it comes to comfort, breathability and flexibility, TECGEN71 is a RipTwill uniquely constructed with the proven strength of 60/40 para-aramid/meta-aramid on the outside of the fabric and a super-structure of para-aramid and TECGEN® fiber on the inside. Lighter and more breathable, while still delivering high levels of inherent FR protection, TECGEN71 enhances turnout gear to help ensure you're able to move more freely and think clearly in the heat of the fire—when every moment counts.

“I was looking to change the way we designed our gear. I wanted to find gear that was lighter, more breathable and faster drying, without sacrificing thermal protection. TECGEN71 proved to be what I was looking for.”

MATT LUND

Assistant Chief & Quartermaster,
Christiana Fire Company




TECHNICAL RESCUE



Our NFPA® 1951 certified FR fabrics deliver a unique combination of critical protection and breathable comfort. Specialized for a range of situations, from MVAs to urban search and rescue missions, these lightweight, heavy-duty fabrics are enhanced for mobility and function so you can focus on accomplishing the job at hand.




To reduce the risk of heat stress in non-structural fire situations, choose dual-certified technical rescue and wildland gear instead of traditional three-layer structural turnout gear.

 WESTEX <small>A MILLIKEN BRAND</small>	Fiber Content	Weight (oz/yd ²)	Construction
Westex® DH	47 - 48% Lenzing™ Lyocell 38 - 40% Modacrylic 12 - 15% Aramid	7.5	RipTwill
Westex Synergy® Pro	93% Teijinconex® Neo 5% Twaron® 2% Antistat	6	Plain
Westex Synergy®	93% Meta-Aramid 5% Para-Aramid 2% Antistat	6	Plain
Exclusive manufacturer of TECGEN FR™ fabrics for FireDex®			
TECGEN51	Proprietary Blend	6.5	2x1 Twill

EMERGENCY RESPONSE



NFPA® 1999 certified garments manufactured with our FR fabric will keep you cool, comfortable and free to move efficiently on the job. Designed to maintain a professional appearance even after repeated washes, Milliken fabrics are made with first responders in mind and set the standard for protection that performs.

 WESTEX <small>A MILLIKEN BRAND</small>	Fiber Content	Weight (oz/yd ²)	Construction
Westex® DH	47 - 48% Lenzing™ Lyocell	7.5	2x1 Twill
	38 - 40% Modacrylic 12 - 15% Aramid	7.5	RipTwill
Westex Synergy® Pro	93% Teijinconex® Neo 5% Twaron® 2% Antistat	6	Plain
Westex Synergy®	93% Meta-Aramid 5% Para-Aramid 2% Antistat	6	Plain

“We find Westex® DH not only very comfortable and breathable, but also feel that the biggest benefit is the level of extra FR protection. During on-scene fire investigations, our team routinely comes into contact with sharp, dangerous objects—and this fabric has been tear resistant, protecting us from harm.”

ALISON STEIN | Deputy Chief Investigator, Houston Arson Division



FOR COMFORT YOU CAN COUNT ON AND PROTECTION YOU CAN TRUST, CHOOSE MILLIKEN.

From working to ensure your PPE delivers the most advanced protection to providing the resources you need to stay informed, we are committed to safeguarding and supporting you on the job, every day.

Learn more about options for the most comfortable, most reliable gear for your industry at ResQ.Milliken.com.



Milliken proudly supports FEMSA/FAMA, Folds of Honor and the National Fallen Firefighters Foundation.

Milliken®

[ResQ.Milliken.com](https://www.resq.milliken.com)

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