



WESTEX[®]
by *Milliken*

**TRUSTED, PROVEN AND
EUROPEAN STANDARDS
COMPLIANT**

WHEN IT COMES TO
FR SAFETY | WE ARE
ALL IN



Sustainability: Goals for a Brighter Future

At Milliken, we strive to discover new ways to enhance lives and make the world around us easier, safer, and more beautiful. While we are proud of the environmental responsibility we have demonstrated throughout our history, we recognize the need for continuous evolution with goals that protect and improve our world.

As a company, we have set a high bar for ourselves by publishing a set of measurable goals for 2025. These include Planet Goals to shrink our footprint, Product Goals to promote circular economies, and People Goals to care for our employees and communities.

Striving for global impact

Milliken & Company is a global industrial manufacturer that has been solving everyday problems with innovative solutions for more than 150 years. Our research, design and manufacturing expertise spans multiple markets-floor covering, performance and protective textiles, speciality chemicals and operational excellence consulting for industrial manufactures.

Since our founding in 1865, our commitment to ethics has guided our daily work as a values-based business. We strive to deliver innovation without compromising our commitment to environmental stewardship, the health and safety of our associates of the future of our communities.

In 2018, Milliken was named one of the World's Most Ethical Companies by Ethisphere® Institute, a global leader in defining and advancing the standards of ethical business practices. Milliken is one of only twelve companies to earn the World's Most Ethical Companies designation every year since the honor's inception in 2007.



Responsible Sustainable Manufacturing

We take full responsibility for sustainable manufacturing — from beginning to end. We address the waste that results from producing our products and commit to doing business with the highest ethical standards.

We take environmental responsibility seriously. The first Milliken documented recycling policy was in the early 1900s, years before the Environmental Protection Agency was formed. Over the years we have implemented numerous processes to conserve energy and reduce waste resulting in 85% of our plants being zero landfill plants for over 20 years.



An Unwavering Commitment to FR Safety

Today, millions of workers across the globe need protection from arc flash, flash fire and other thermal hazards. At Westex by Milliken, we are committed to consistently delivering the highest level of protection, comfort, and value in the flame-resistant (FR) fabrics used to protect those workers. And we deliver on that commitment through purposeful innovation, advanced engineering and an unwavering commitment to education across all levels of the industry. When it comes to FR safety, we are all in.



Safety Through Education

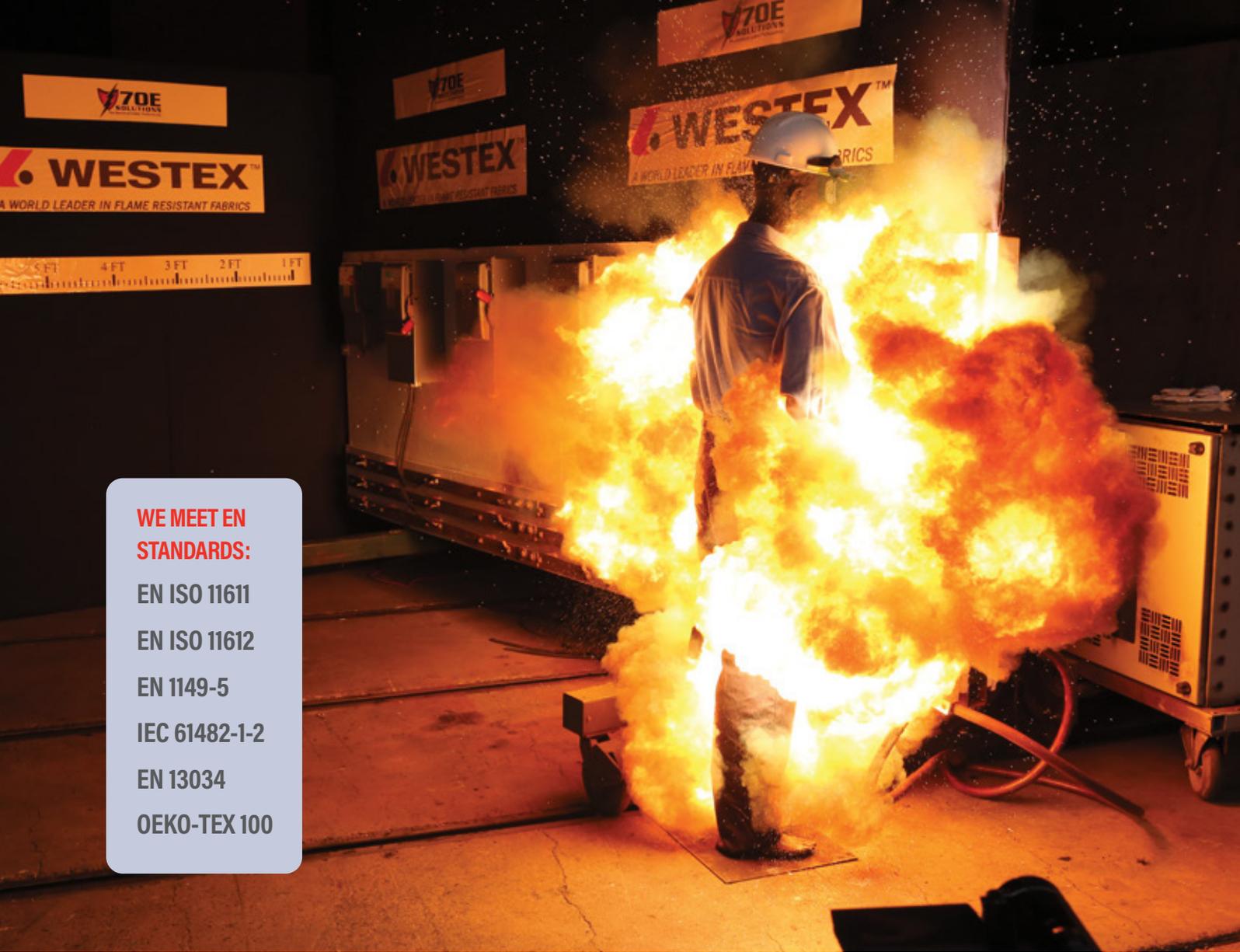
In addition to developing innovative technology and products, we also help end-users develop successful FR programs by providing comprehensive education, unrenowned technical support and delivering consistent quality and market-proven performance. We advance the industry by creating new standards and expectations for protection and performance. We have made significant investments in one-of-a-kind live arc flash and flash fire testing and distributed more than 250,000 free educational videos and materials worldwide.

Safety isn't just something we sell but something we are passionate about. We have one of the lowest total injury and incident rates of manufacturers in North America. Milliken has become one of the top three companies in the United States for the number of sites receiving the coveted OSHA Voluntary Protection Program (VPP) STAR certification and has twice been named "One of the World's Safest Companies" by EHS Today.

We Deliver Peace of Mind

As a leader in the FR fabric industry, we've made it our mission to deliver a true guarantee of flame resistance for the life of the garment. We are one of the few FR fabric manufacturers in the world that produce cotton rich, aramid and blend fabrics utilizing the three types of FR technologies. Westex® brand fabrics have been tested to industry standards globally and also have been proven to perform in real world situations. Simply put: when it comes to safety, we will not compromise. For ultimate peace of mind, choose Westex.





**WE MEET EN
STANDARDS:**

EN ISO 11611

EN ISO 11612

EN 1149-5

IEC 61482-1-2

EN 13034

OEKO-TEX 100

Excellent fabric selection and availability

Westex® by Milliken® offers a full line of trusted, proven fabrics to best fit your needs — including over 50 style and color combinations with stock available in the Netherlands and Singapore. Our Westex® brand fabrics provide exceptional softness, durability and protection while ensuring compliance to multiple European Standards.

Guaranteed Flame Resistance for the Life of the Garment

When choosing a fabric brand, what matters is whether the flame resistant fabric is made with advanced engineering rather than the specific manufacturing approach. At Westex® by Milliken®, our team of engineers uses state-of-the-art equipment, advanced proprietary processes and patented technologies to deliver the best possible flame resistant fabrics. We also guarantee all of our product lines flame resistant for the life of the garment.

PRODUCT PORTFOLIO

Westex UltraSoft®

Westex UltraSoft®, our most popular FR fabric, has a strong reputation for providing an excellent balance of protection, comfort and value. Westex UltraSoft® was first introduced nearly two decades ago and today is specified by name by thousands of end users globally.



European Standards Compliant							
Style	Description	EN ISO 11611**	EN ISO 11612	EN 1149-5 Anti-Stat	IEC 61482-1-2	EN 13034	Arc Rating (cal/cm ²)
0301	270 g/m ² 3x1 Twill 88% Cotton / 12% High Tenacity Nylon	Class 1	A1, A2, B1, C1, E1, F1		Class 1		8.7 ATPV
0322	270 g/m ² 3x1 Twill 87% Cotton / 12% High Tenacity Nylon / 1% Anti-Stat	Class 1	A1, A2, B1, C1, E1	✓	Class 1	Type 6*	9.5 ATPV
0451	339 g/m ² 3x1 Twill 88% Cotton / 12% High Tenacity Nylon	Class 1	A1, A2, B1, C1, E2, F1		Class 1		12 ATPV
0454	330 g/m ² 3x1 Twill 87% Cotton / 12% High Tenacity Nylon / 1% Anti-Stat	Class 1	A1, A2, B1, C1, E2, F1	✓	Class 1	Type 6*	14 ATPV
0851	340 g/m ² 4x1 Sateen 88% Cotton / 12% High Tenacity Nylon	Class 2	A1, A2, B1, C1, E3, F1		Class 1		14 ATPV
0853	340 g/m ² 4x1 Sateen 87% Cotton / 12% High Tenacity Nylon / 1% Anti-Stat	Class 2	A1, A2, B1, C1, E3, F1	✓	Class 1	Type 6*	15 ATPV
0805	455 g/m ² 4x1 Sateen 88% Cotton / 12% High Tenacity Nylon	Class 2	A1, A2, B1, C1, E3, F1		Class 1		20 ATPV
0834	455 g/m ² 3x1 Twill 87% Cotton / 12% High Tenacity Nylon / 1% Anti-Stat	Class 2	A1, A2, B1, C1, E3, F1	✓	Class 1	Type 6*	18 ATPV

Westex UltraSoft® Flex

The new, innovative Westex UltraSoft® Flex FR fabric is designed to bend with your workers as they move in their jobs — giving them enhanced comfort and greater mobility while they work. Plus, they'll have the excellent softness, shrinkage control and guaranteed flame resistance through a high number of industrial washes that's only possible with Westex® by Milliken®.



European Standards Compliant							
Style	Description	EN ISO 11611**	EN ISO 11612	EN 1149-5 Anti-Stat	IEC 61482-1-2	EN 13034	Arc Rating (cal/cm ²)
0304	255 g/m ² 3x1 Twill 87% Cotton / 7% Nylon / 5% Polyester / 1% Spandex		A1, A2, B1, C1, E1, F1				8.7 ATPV

Westex Indura®

Westex Indura® was the first cotton fabric engineered to provide guaranteed flame resistance for the life of the garment. First introduced in 1987, Westex Indura® is still popular today for use in jackets and pants in the metals industry.



European Standards Compliant							
Style	Description	EN ISO 11611**	EN ISO 11612	EN 1149-5 Anti-Stat	IEC 61482-1-2	EN 13034	Arc Rating (cal/cm ²)
0315	457 g/m ² USS Whipcord 100% Cotton	Class 2	A1, A2, B1, C1, E3				12.9 ATPV



With its uniquely woven blend, Westex® DH provides outstanding breathability and optimized moisture management to keep the wearer cooler, drier and more comfortable. Westex® DH also retains an excellent after-wash appearance, with a low propensity for pilling.



European Standards Compliant							
Style	Description	EN ISO 11611**	EN ISO 11612	EN 1149-5 Anti-Stat	IEC 61482-1-2	EN 13034	Arc Rating (cal/cm ²)
6800/ 6810	186 g/m ² 2x1 Twill 48% Lenzing™ Lyocell 40% Modacrylic / 12% Aramid		A1, A2, B1, C1, F1				6.6 ATPV
6820/ 6830	220 g/m ² 2x1 Twill 48% Lenzing™ Lyocell 40% Modacrylic / 12% Aramid		A1, A2, B1, C1, E1, F1				8.9 ATPV
6960	220 g/m ² 2x1 Twill 48% Lenzing™ Lyocell / 39% Modacrylic 12% Aramid / 1% Anti-Stat		A1, A2, B1, C1, F1	✓			8.9 ATPV
6860/ 6870	254 g/m ² 2x1 Twill 48% Lenzing™ Lyocell 40% Modacrylic / 12% Aramid	Class 1	A1, A2, B1, C1, E1, F1				8.8 ATPV



With a unique ability to shed molten metal aluminum, Westex Vinex® continues to set the standard as the benchmark fabric in today's aluminum industry. Vinex® fabrics have been successfully incorporated into protective clothing programs at major aluminum companies worldwide for nearly three decades. Vinex® provides better wearer comfort than other competitive wool brands.

European Standards Compliant							
Style	Description	EN ISO 11611**	EN ISO 11612	EN 1149-5 Anti-Stat	IEC 61482-1-2	EN 13034	Arc Rating (cal/cm ²)
1200	288 g/m ² 3x1 Twill 85% Vinal / 15% Polynosic Rayon		A1, A2, B1, C1, D1, E1, F1				8.1 ATPV
1204	370 g/m ² 3x1 Twill 85% Vinal / 15% Polynosic Rayon		A1, A2, B1, C1, D3, E2, F1				11 ATPV

* With FC Option ** Impact of molten Spatter



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Please note: as each customer's use of our product may be different, information we provide, including without limitation, test results, recommendations, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. any test results reported are based on standard laboratory testing but should not be used to predict performance in actual fire situations. each customer must test and be responsible for their own specific use, further processing, labeling, marketing, etc. all sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/ different terms are rejected) unless explicitly agreed otherwise in a signed writing. use caution near sources of flame or intense heat, and follow the care instructions - do not launder with bleach or fabric softeners. any fr lifetime guarantees are subject to the limitations and conditions in the forgoing terms of sale and care instructions.

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