



COATS
FlamePro™
FreshTech



FLAME-RESISTANT WITH
ALL-DAY FRESHNESS

2025

Coats® FlamePro™ FreshTech

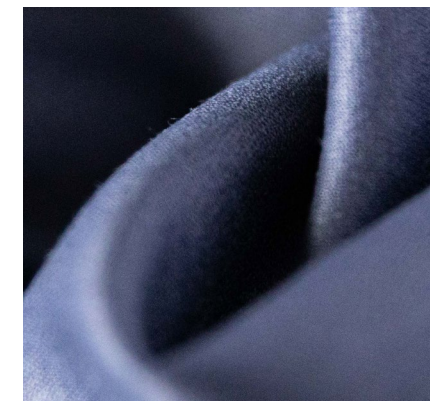
FlamePro FreshTech is an innovative inherently flame-resistant (IFR) fabric engineered with advanced anti-odour technology. In addition to delivering reliable protection against heat and flame, it actively inhibits the Odor formation caused by perspiration and bacterial growth, ensuring garments stay fresh and comfortable even during long hours of wear in demanding environments. This makes it particularly valuable for workwear, uniforms and protective clothing, where frequent garment changes are not always possible.

Why choose Coats FlamePro™ FreshTech?

- Inherently flame-resistant
- Anti-odour technology for lasting freshness
- Better hygiene throughout the day
- Reduced laundering frequency
- Extended garment life
- Sustainability advantage
- Comfort in Demanding Environments
- Norms include EN ISO 11612, EN1149, EN 61842, NFPA 2112, NFPA 70E , AATCC 100-2019 and ISO 17299-3

Main Uses:

- Industrial Workwear
- Oil and Gas Industries
- Mining Uniforms
- Military & Defense
- Energy and Utility
- Automobiles



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Product Range

Product/ Treatment	Base Fabric	Weight g/m ²	Fabric Type	Composition	Colour
FlamePro FreshTech	FlamePro Perform	150 ± 5%	Inherent FR	Meta Aramid Multiblend	Tailored Colour Options
	FlamePro Standard	200 ± 5%	Inherent FR	Modacrylic Multiblend	

Note: FlamePro FreshTech treatment can be applied to all FlamePro fabrics (Standard, Perform, Comfort etc.) without affecting inherent flame-resistant properties.

Physical Tests

Tear Strength (N)	Warp (Min): 40 Weft (Min): 30	ISO 13937-2 (Trousers Shape)
Tensile Strength (N)	Warp (Min): 900 Weft (Min): 600	ISO 13934-1 (Ravelled Strip)
Dimensional Change % (After 5HL)	Warp: -3.0 Weft: -3.0	ISO 6330:2012 Temp 60°C
Abrasion Resistance (Cycle)	Not Break > 40000	ISO 12947:2 Martindale

Functional Properties

Flame Resistance	EN ISO 11612:2015 A1-A2-B1-C1- F1 // NFPA 2112:2018
Antistatic	EN 1149 -5:2008

Color Fastness

Test Type	Result	Standard
To Washing - Color change	4	ISO 105-C06:2010
To Water - Color change	4	ISO 105-E01:2013
To Crocking	Dry 4 / Wet 3	ISO 105-X12:2001

Above specifications provided are for FlamePro Perform. Specifications may vary if the base fabric is changed.

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Expert Real World Support

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



Training and Presentations

From thread selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit www.coats.com

Other products in FlamePro range

To complement the FlamePro range, we also have a selection of specialist flame resistant fabrics. Each of these products have additional benefits specific to the end use.

Product Name	Description
FlamePro Standard	A cost-effective fabric solution for high temperature and flame protection.
FlamePro Splash	Engineered to be lightweight, soft and flexible.
FlamePro Comfort	Perfect combination of ergonomic design and excellent protection against thermal hazards.
FlamePro Perform	Delivers outstanding flame resistance for keeping stability under high temperatures.
FlamePro FLX	Specifically engineered to be soft, flexible and comfortable.
FlamePro High Visibility	Is an inherently flame resistant and high-visibility certified fabric that is one of the lightest fabrics of its kind.
FlamePro Arc	FlamePro Arc is the ideal choice for employees in electricity distribution, utilities, refineries, and other hazardous industrial jobs.

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