



Coats® FlamePro™ Shield

Coats FlamePro Shield is an advanced, inherently flame-resistant fleece fabric engineered to deliver reliable protection, superior thermal performance and lasting wearer comfort in demanding industrial environments. Its brushed-knit construction provides effective insulation in cold-weather conditions while maintaining comfort during extended use. With antistatic and electric-arc protection, it offers a versatile fabric solution for protective garments including jackets, sweatshirts, hoodies, and thermal-layering systems.

COATS
FlamePro™
Shield



FLAME-RESISTANT FLEECE
BUILT FOR THE COLD

2026

Why choose Coats FlamePro™ Shield?

- Inherent flame resistance that never washes out or wears off
- Superior thermal comfort for demanding cold-weather environments
- Exceptional wearer comfort during extended working hours
- Multi-hazard protection engineered for high-risk industries
- Added hygiene and odour-control performance for long-lasting freshness

Main Uses:



Electrical Utilities



Oil & Gas



Mining



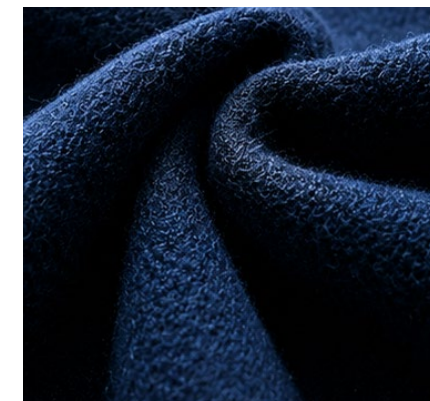
Railways &
Transportation



Construction &
Infrastructure



Industrial
Applications



Tested to key global standards:



EN ISO
11612



EN
1149



NFPA
2112



ASTM
F1959



AATCC
100-2019



ISO
17299-3

Coats® FlamePro™ Shield

Product Range

Product	Weight g/m ²	Fabric Type	Composition
FlamePro Shield	350 ± 5%	Knitted Fleece	Modacrylic Multiblend

Physical Tests

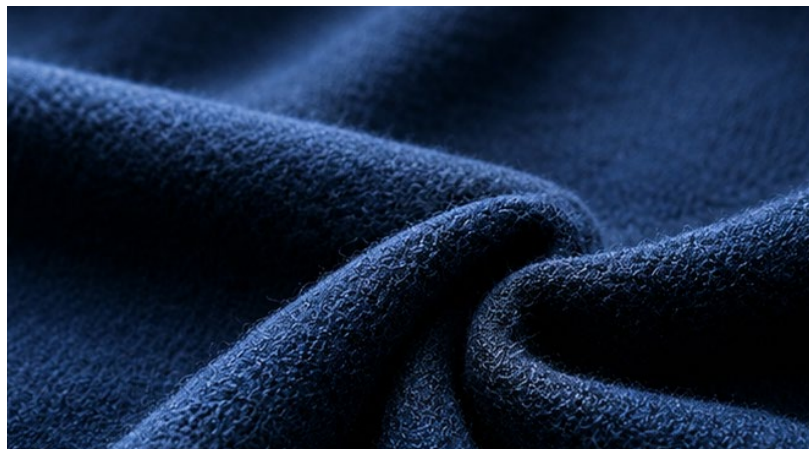
Test / Property	Test Standard	Result
Burst Strength	ISO 13938-1:2019	400 kPa
Abrasion Resistance	ISO 12947-2:2016	>25,000 rubs
Pilling Resistance	ISO 12945-2:2020	≥ 3 grade
Dimensional Change	ISO 6330:2012	±5%

Functional Properties

Test / Property	Test Standard	Result
Flame and Heat Resistance	EN ISO 11612:2015, ISO 15025	A1, A2, B1, C2 and F1
Arc Thermal Performance Value	ASTM 1959	14 cal/cm ²
Flame Resistance	NFPA 2112:2023	PASS
Antistatic	EN 1149-5:2008	PASS

Chemical Properties

Test / Property	Test Standard	Result
Colour Change to Washing	ISO 105-C06:2010	≥ 4 Grade
Colour Fastness to Water	ISO 105-E01:2013	4 Grade
Colour Fastness to Crocking	ISO 105-X12:2001	Dry: 4 / Wet: 3



Available Colours:



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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	Molten metal splash protective fabric 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	Provides optimum protection against HRC 2 arc flash hazards.
FlamePro FreshTech	An innovative inherently flame-resistant (IFR) fabric engineered with advanced anti-odour technology.

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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats® accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats® accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated from time to time, please be sure you are referring to the most recent publication. Coats® supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. Coats® is a registered trademark of J. & P. Coats, Limited. FlamePro™ is trademark of J. & P. Coats, Limited. © Copyright reserved 2026.