



FABRICS BROCHURE

PERSONAL PROTECTION

Engineered for Protection,
Trusted for Performance



SEPTEMBER 2024
WWW.COATS.COM

CONNECTING. PIONEERING. TRUSTED.



ABOUT COATS®

At Coats® we have over 250 years of pioneering experience and are global leaders in industrial threads, engineered yarns and trims, employing more than 15,000 employees in over 50 countries. We are proud of our tradition of landmark innovations in threads, colour technology and manufacturing processes, many of which have become global industry standards.

Our comprehensive range of products are designed to deliver the desired strength and performance characteristics that make Coats® products the first choice for manufacturers of high-quality textiles. Our product offer is supported by a suite of value-added services to help customers improve efficiency, solve problems and train staff online or onsite. Coats® comprehensive product offer, worldwide network and established leadership in innovation and service make us your natural first choice for a truly global partner.

COATS® FABRICS

At Coats®, we are leaders in providing advanced fabric solutions designed to meet the diverse needs of industries worldwide. With our deep expertise and state-of-the-art manufacturing processes, we deliver high-performance fabrics that excel in industrial workwear, firefighting, military, and cut protection applications.

Trusted by industry pioneers, Coats® Fabrics are synonymous with unmatched durability, protection, and reliability. Our fabrics are meticulously engineered to endure the most demanding environments, ensuring safety and comfort in every use.

COATS® FLAMEPRO™

Coats® FlamePro™ Fabrics is an innovative range of flame-resistant, electric arc, and cut-resistant fabrics, designed to elevate protective wear across various industries. FlamePro™ Fabrics are crafted from a meticulously engineered blend of up to five different fiber types, each chosen for its specific properties such as flame resistance, high strength, and anti-static capabilities. The precise blend is tailored to the fabric's intended functionality and end-use application.

Using our unique proprietary technology - Blend Predictor - we scientifically determine the optimal fabric composition to meet specific protection needs, eliminating the need for extensive trial and error. This advanced approach allows us to estimate critical performance metrics, including burn protection percentage, ATPV (Arc Thermal Performance Value), and other essential data points.

FlamePro™ Fabrics are available in a wide variety of colors, both dyed and dope dyed, and come in multiple fabric weights and types. In addition to offering superior protective properties, our fabrics can be enhanced with customized coating systems, such as soil release and anti-microbial treatments, to further meet the demands of challenging environments.





FLAMEPRO™ STANDARD

Coats® FlamePro™ Standard is a reliable and cost-effective fabric solution designed to offer essential protection against high temperatures and flames. This fabric is an ideal choice for applications where sufficient protection is required at a competitive price point.

Available in a broad spectrum of colors, FlamePro™ Standard offers versatility in design while maintaining its protective properties. The fabric's robust construction ensures durability in challenging environments, making it a practical solution for industrial workwear, uniforms, and protective garments.

PRODUCT RANGE

Product	Weight g/m ²	Fabric Type	Width cm
FU50092	180	Twill	150
FU50014	200	Ribstop	152
FU50073	240	Ribstop	152
FU50116	375	Twill	152

AVAILABLE COLOURS

Navy Blue	Royal Blue	Orange	Red	Grey
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KEY PRODUCT BENEFITS

- Cost effective protection without compromising from quality.
- Customised coating systems available including soil release and anti-microbial.



FLAMEPRO™ SPLASH

Coats® FlamePro™ Splash is a molten metal splash protective fabric that is specially engineered to be lightweight, soft and flexible while maintaining durability and long-lasting wear.

This fabric ensures excellent protection against radiant heat, flame metal splash and other smelting hazards due to its thermal resistant and metal-shedding design.

FlamePro™ Splash has good wash fastness and is durable during and after laundry which increases the life of the garment and therefore return on investment.

PRODUCT RANGE

Product	Weight g/m²	Fabric Type	Width cm
FlamePro™ Splash W310 (top weight)	310 ±5% 9.1 osy	Sateen	160
FlamePro™ Splash W340 (bottom weight)	340 ±5% 10.0 osy	Sateen	160

AVAILABLE COLOURS

Navy Blue	Orange	Red	Parrot Green
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KEY PRODUCT BENEFITS

- Experience extreme protection against molten metal splash, preventing metal from adhering to the skin.
- Does not break out when exposed to molten metal.
- Enjoy all-day comfort with the soft, cool feel of FlamePro™ Splash, without compromising on performance.
- Offers multi-hazard protection, delivering exceptional flame resistance, heat resistance, and ARC Flash protection.





FLAMEPRO™ COMFORT

Coats® FlamePro™ Comfort offers the perfect combination of ergonomic design and excellent protection against thermal hazards. Suited for a variety of applications that may lead to heat stress and heat stroke, this innovative fabric keeps the skin cool and dry for maximum comfort.

FlamePro™ Comfort is available in customised coating systems including soil release, antimicrobial finish, water and oil repellent that is providing durable long-lasting garments against outdoor conditions.

PRODUCT RANGE

Product	Weight g/m²	Fabric Type	Width cm
FlamePro™ Comfort	120	Plain	152
FlamePro™ Comfort	150	Plain	152
FlamePro™ Comfort	170	Twill	152
FlamePro™ Comfort	180	Twill	152
FlamePro™ Comfort	200	Rib	152

AVAILABLE COLOURS

Navy Blue	Royal Blue	Orange	Red	Grey
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KEY PRODUCT BENEFITS

- Cool and dry feeling for all day wear with maximum comfort.
- Perfect combination of ergonomic design and excellent protection against thermal hazards.
- Suited for a variety of applications that may lead to heat stress and heat stroke.



FLAMEPRO™ PERFORM

Made with a unique FR blend, Coats® FlamePro™ Perform fabric delivers outstanding flame resistance, ensuring stability under high temperatures. Its inherent thermal protection prevents shrinkage, maintaining the fabric’s shape even in extreme heat. Additionally, the use of dope-dyed fibers ensures excellent color fastness, allowing the fabric to retain its colour and resist fading trough multiple washes. From heat-blocking outer shell fabric for firefighters to protection against fatal hazards, this fabric is ideal for a range of applications requiring excellent durability against heat pulses and fire explosions.

PRODUCT RANGE

Product	Weight g/m²	Fabric Type	Width cm
FU50010	150	Plain	152
FU50011	200	Twill	152
FU50007	200	Ribstop	152
FU50046	200	Ribstop	152

AVAILABLE COLOURS

Navy Blue	Royal Blue	Orange	Red	Grey
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KEY PRODUCT BENEFITS

- Outstanding flame resistance for keeping stability under high temperatures.
- No shrinkage, ensuring the fabric retains its shape in extreme heat.
- Dope-dyed fibers provide excellent light and color fastness, even after laundering.
- Excellent durability against heat pulses and fire explosions.





FLAMEPRO™ FLX™

Coats® FlamePro™ FLX™ is an innovative fabric for personal protective equipment, specifically engineered to be soft, flexible and comfortable. It offers the perfect combination of ergonomic design and excellent protection against thermal hazards. Suitable for a range of applications, this flexible fabric gives its wearer freedom of movement while delivering ultimate protection.

PRODUCT RANGE

Product	Weight g/m ²	Fabric Type	Width cm
FlamePro™ FLX™	205±5%	Twill	155

AVAILABLE COLOURS

Navy Blue	Orange
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KEY PRODUCT BENEFITS

- Developed by Coats® R&D team to enhance comfort from head to toe.
- Provides stretch comfort with a greater range of mobility, without sacrificing performance.
- Coats® FLX™ Technology sets a new standard of comfort, delivering best-in-class products at the highest quality.



FLAMEPRO™ HIGH VISIBILITY

Coats® FlamePro™ High Visibility is an inherently flame resistant and high-visibility certified fabric that is one of the lightest fabrics of its kind. The innovative construction of FlamePro™ High Visibility allows for improved comfort and aesthetics while meeting EN ISO safety norms. It offers you the same superb protection without compromise on performance or comfort.

With industries demanding better quality high-visibility garments, we set to work on a more sustainable, easy to work with fabric. FlamePro™ High Visibility includes renewable fibres and needs no dyeing – which makes it more sustainable than any other comparable product on the market. Big visibility, smaller carbon footprint.

PRODUCT RANGE

Product	Weight g/m²	Fabric Type	Width cm
FlamePro™ High Visibility Yellow	205	2/1 Twill	160
FlamePro™ High Visibility Yellow	250	Dobby Weave	160
FlamePro™ High Visibility-Orange	250	Dobby Weave	160

AVAILABLE COLOURS



KEY PRODUCT BENEFITS

- Available in EN-standard high-visibility yellow and orange.
- Offers enhanced comfort and aesthetics while ensuring top-tier visibility.
- Soft and lightweight, FlamePro™ High Visibility stands out from coated fabrics with its comfortable feel.





DISCLAIMER

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 for 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.

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