

COATS  
FlamePro flx



STRETCH MULTI  
HAZARD PROTECTIVE  
FABRIC

# Coats® 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.

## WHY CHOOSE COATS FLAMEPRO FLX?

- Exceptional flame and heat resistance
- More comfortable than any other comparable fabric
- Soft and cool wearing properties
- Custom blends up to five fibres
- Large selection of fibre types
- Core spun capable with filament or spun core
- Yarn dyed and dope dyed colours available
- Scientific approach to blend engineering which avoids extensive trial and error sampling (with Coats Synthesizer)

- Customised coating systems including soil release and anti-microbial
- Norms include Euro EN ISO 11612, EN ISO 11611, EN 13034, EN 11495, and NFPA 2112, NFPA 70e.

## MAIN USES:

- FR Denim
- Station wear
- Oil and gas station
- Petroleum and natural gas plants



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## PRODUCT RANGE

Product	Weight g/m <sup>2</sup>	Fabric Type	Fabric Construction	Width cm
180	180 ± 5%	Twill	FR Blend + Spandex	155



## TESTING DATA

Heat & Flame EN ISO 11612	Heat Resistance	ISO 17493:2016	PASS
	Limited Flame Spread	EN ISO 15025:2016	A1 & A2
	Heat Transmission on Exposure to Flame	ISO 9151:2016	B1
	Radiant Heat	EN ISO 6942:2002	C1
	Contact Heat	EN ISO 12127-1:2015	F1
Electrical Arc Exposure Test		ASTM F1959	ATPV 5.6 cal/cm <sup>2</sup>
Stretch and Recovery		ASTM D3107	13% – 15%

The above mentioned fabric concept and testing data is for indication only. For customised fabric options, please get in touch with your local Coats office.



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. © Copyright reserved 2019



# Coats FlamePro FLX



## EXPERT REAL WORLD SUPPORT

The final cost of any product 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 product selection 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 product audits in pre-production to the latest technological bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [www.coats.com/en/Industries/Personal-Protection](http://www.coats.com/en/Industries/Personal-Protection)

## OTHER PRODUCTS IN THE FLAME RESISTANT RANGE

To complement the Flamepro FLX range, we also have a selection of specialist **flame resistant yarns and sewing threads**. Each of these products have additional benefits specific to the end use.

PRODUCT NAME	DISCRIPTION
<b>FlamePro</b>	A range of fibres which can be blended to create bespoke yarns specifically for end use applications requiring flame resistance, electric arc protection or metal splash protection.
<b>Firefly</b>	Staple spun meta-aramid sewing thread that can resist flame temperatures up to 371°C, making it an excellent choice for protective garments.
<b>Firefly Fil</b>	Continous filament 100% meta-aramid sewing thread used in protective garments that require flame or heat protection.
<b>Protos</b>	Para-aramid sewing thread that is stronger than steel and is specifically engineered to meet fire and safety standards with standing temperatures up to 450°C.



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