

# Coats® FlamePro™ Firestrong™

FlamePro Firestrong is a flame resistant yarn ideal for the fire services uniform market. It is designed to stay strong after repeated washings, maintaining its colour and integrity even after several cycles in industrial machines, so fire services uniforms won't fade or lose their bold colours over time.

COATS  
flamepro  
firestrong



MULTI-HAZARD  
PROTECTIVE YARN

## WHY CHOOSE COATS FLAMEPRO FIRESTRONG?

- Consistent bold colours are retained even after multiple cycles of washing
- Superior strength along with protection and comfort
- Exceptional flame protection along with contact and radiant heat resistance
- Design fabrics with FlamePro Firestrong to meet EN ISO 11612, EN 13034, EN 11495, NFPA 2112, NFPA 70e and NFPA 1971 norms

## MAIN USES:

- Firefighter Uniforms
- Emergency Wear
- Technical Rescue



## PRODUCT RANGE

Art/Tkt	Yarn Construction	Yarn Count Ne	Strength cN	Tenacity cN/Tex	Elongation %
	Meta aramid / Para aramid	30/2	1450	38.8	5.9



# Coats FlamePro Firestrong

## PHYSICAL PROPERTIES (FABRIC)

Physical Test	Test Method	Result
Fabric Weight	ISO 3801:1977 Method 5	221 (gsm), 6,5oz 2/1 Z twill
Dimensional Stability to Washing	ISO13937-1:2000	55 N (Warp) 60 N (Weft)
Tensile Strength	ISO 13934-1:2013	1700 N (Warp) 1500 N (Weft)
Tear Strength	ISO13937-1:2000	55 N (Warp) 60 N (Weft)
Abrasion Resistance (Martindale Method)	BS EN ISO 12947-2:2016	>50000 cycles
Pilling Resistance	ISO 12945-2:2020	>5000 revolutions 5 (No change)
Colour Fastness to Light	ISO 105 B02:2014	5 (no colour change)

## 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/flamepro-firestrong](http://www.coats.com/flamepro-firestrong)



MULTI-HAZARD  
PROTECTIVE YARN

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. © Copyright reserved 2022

