Coats® FlamePro™ Comfort

THERMAL HAZARDS PROTECTION & SKIN COMFORT

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, Flame and Thermal protection, this innovative fabric keeps the skin cool and dry for maximum comfort.

Why choose FlamePro™ Comfort?

- 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
- Customised coating systems including soil release and anti-microbial
- Norms include Euro EN ISO 11612, EN ISO 14116, EN ISO 11611, EN 469 and NFPA 1971, 1975, 1977, 2112, 70e.

Main Uses:

- Oil and Gas Industries.
- Petroleum and Chemical Industries
- Power and Energy
- Mining Industries
- Electrical Industries
- Construction Industries
- Manufacturing Industries
- Automotive Industries
- Military and Defence

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Product Range

Product	Fabric Weight	Fabric Type	Composition
W150	150 ± 5%	Plain Weave	Viscose FR Meta Aramid
W165	165 ± 5%	Twill	Viscose FR Meta Aramid Polyamide Anti-static
W170	170 ± 5%	Twill	Viscose FR Meta Aramid Poly Aramid Anti-static
W180	180 ± 5%	Twill	Viscose FR Para Aramid Anti-static

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Technical Data

		W150	W165	W170	W180
Heat & Flame EN ISO 11612	Limited Flame Spread [UNE-EN ISO 15025] Limited Flame Spread [UNE-EN ISO 15025] Heat Transmission on Exposure to Flame [ISO 9151] Radiant Heat [UNE-EN ISO 6942] Contact Heat [ISO12127-1] Heat Resistance [ISO 17493]	A1 A2 C1 PASS	A1 A2 B1 C1 F1 PASS	A1 A2 B1 C1 F2 PASS	A1 A2 B1 C1 F2 PASS
Electric Arc Exposure	UNE-EN 61482-1-2	CLASS 1	CLASS 1	CLASS 1	CLASS 1
Charge Decay	UNE-EN 1149-3-5	PASS	PASS	PASS	PASS
Physical Tests	pH Value [UNE-EN ISO 3071] Dimensional Stability [UNE-EN ISO 5077] Abrasion Resistance [ISO 12947-2] Tear Strength [UNE-EN ISO 13937-2] Tensile Strength [UNE-EN ISO 13934-1]	6.5 +/-3% 20,000 Warp: 20 / Weft: 20 N Warp: 600 N/ Weft: 500 N	6.5 +/-3% 25,000 Warp: 25 N / Weft: 25 N Warp: 650 N / Weft: 450 N	6 +/-5% 25,000 Warp: 25 N / Weft: 20 N Warp: 600 N / Weft: 500 N	7 +/-3% 25,000 Warp: 30 N/Weft: 30 N Warp: 650 N/Weft: 550 N
Color Fastness	Rubbing [EN ISO 105-X12] Washing [EN ISO 105-C06] Perspiration [UNE-EN ISO 105-E04] Light [105 B -Grade5]	Dry 4 / Wet 3 4 4 4	Dry 4 / Wet 3 4 4 4	Dry 4 / Wet 3 4 4 4	Dry 4 / Wet 3 4 4 4

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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 sewing threads. Each of these products have additional benefits specific to the end use.

Product Name	Description
FlamePro Arc	FlamePro Arc fabric, offers multi-norm protection against Arc Flash, Heat, and Flame, meeting industry safety requirements.
FlamePro Splash	Engineered to be lightweight, soft and flexible.
FlamePro Perform	Ideal for a range of applications requiring excellent durability against heat pulses and fire explosions.
FlamePro Flx	An innovative fabric for personal protective equipment, specifically engineered to be soft, flexible and comfortable.
FlamePro Standard	FlamePro Standard stands as the ultimate choice for demanding environments.
FlamePro High Visibility	Is an inherently flame resistant and high-visibility certified fabric that is one of the lightest fabrics of its kind.

Special use FlamePro products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.

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