

COATS  
*flamepro orbit*



MULTI-HAZARD  
PROTECTIVE YARNS

# Coats® FlamePro Orbit™

Coats Flamepro Orbit is a range of innovative yarns that are produced with maximum efficiency in mind. The innovative construction of Flamepro Orbit allows for improved value without compromising quality that you trust from Coats. Coats Orbit yarns show improved pilling resistance, reduced hairiness as well as high moisture transportation properties.

## WHY CHOOSE FLAMEPRO ORBIT?

- Exceptional flame and heat resistance
- Good pilling resistance
- Reduced hairiness
- Excellent moisture transportation properties
- 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



PERFORMANCE  
YARNS



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## PRODUCT EXAMPLES

Art/ Tkt	Yarn Construction	Yarn Count Dtex	Yarn Count Denier	Break Strength cN	Tenacity cN/tex	Elongation %
FP00030	Para-Aramid	590	531	4409	7.5	3.6
FP00033	Meta-aramid/ Para-Aramid	294	265	824	2.8	3.4
FP00063	Modacrylic/ Protex C/ Cotton/ Nylon PA	321	288.9	521.9	32.1	8.3

The above mentioned yarn concepts are for indication only.  
For customised options, please get in touch with your local Coats office.



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## 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 technical, 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 technical 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
FlamePro	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.
Firefly	Staple spun meta-aramid sewing thread that can resist flame tempratures up to 371°C, making it an excellent choice for protective garments.
Firefly Fil	Continous filament 100% meta-aramid sewing thread used in protective garments that require flame or heat protection.
Protos	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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