

Coats® Epic AS™

Coats Epic AS is a highly versatile corespun sewing thread made from 100% polyester. The construction of the thread, with the continuous filament polyester core and soft staple polyester wrap, delivers high seam strength and excellent performance.

The Coats AS range of threads are designed to meet the needs of outdoor performance sportswear, woven outerwear and fashion jackets.

In drier atmospheric conditions the lower static and lower dynamic friction values of Epic AS minimise the attraction of down towards the needle, helping to prevent down leakage through needle holes. The lower dynamic friction values of Epic AS also enhance the uniformity of the stitch formation allowing neat, well balanced seams.

COATS
epic as



POLYESTER
CORESPUN WITH
POLYESTER WRAP

WHY CHOOSE EPIC AS?

- Creates a smoother, softer handle to the sewn seam when compared with conventional sewing threads
- Allows lower tension settings, improving the stitch balance and providing neater and flatter seams
- Excellent static and dynamic friction values reduce leakage of "down" through the needle hole
- Provides solutions for oil-sensitive materials such as C0 fabrics
- Allows for improved sewing performance on complex materials due to its higher heat shield
- Provides outstanding sewability
- The reduced frictional values allow smoother thread pull off through the sewing machine helping to deliver longer lasting seams

MAIN USES:

- Outdoor Wear
- Activewear
- Jackets

PRODUCT RANGE

Art / Tkt	Tex	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric
2S94 180	18	180	5000m	780	17 - 22	65 - 75
2S94 150	21	150	5000m	980	17 - 22	65 - 75
2S94 120	24	120	5000m	1190	17 - 22	70 - 90
2S74 100	30	100	4000m	1490	17 - 22	70 - 90
2S74 080	40	80	4000m	1960	18 - 24	70 - 90
2S93 050	60	50	3000m	3530	18 - 25	100 - 120

Please contact your local Coats office should you require additional thread sizes.



Coats Epic AS

THERMAL PROPERTIES

Melts at 250 - 260°C, softens at 220 - 240°C

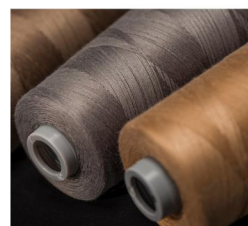
Shrinkage less than 1% @ 150°C

CHEMICAL PROPERTIES

Mineral acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Generally unaffected, but soluble in some phenolic compounds
Bleaching:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected
Laundering / dry cleaning:	Unaffected
Moisture regain:	0.4%

FASTNESS PROPERTIES

Washing at 60°C	(ISO 105 C10:2006 C(3))	Grade 4
Water Fastness	(ISO 105 E01:2010)	Grade 4
Rub Fastness	(ISO 105 X12:2001)	Grade 4
Hypochlorite Fastness	(ISO 105 N01:1993)	Grade 4
Dry Cleaning Fastness	(ISO 105 D01:2010)	Grade 4
Perspiration Fastness	(ISO 105 E04:2009)	Grade 4
Artificial Light Fastness	(ISO 105 B02:1994)	Grade 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.



Seamworks

Install our Seamworks software to accurately calculate costs prior to production, putting an end to the risk of over or under ordering materials, and incurring unnecessary extra costs. The Seamworks tool is provided with installation, training and ongoing support included.



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.



Embroidery Service Centre

Our Embroidery Service Centre makes embroidering a design much easier, increasing productivity at the same time as enhancing the design itself. Email the design and any problematic issues to us and our technicians will email the improved design right back.

To drive your hidden costs down, talk to Coats. From thread 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 [coats.com](https://www.coats.com)

OTHER PRODUCTS IN THE EPIC RANGE

To complement the Epic range, we also have a selection of specialist Epic threads. Each of these combines the superior properties of the Epic product with additional benefits specific to the end use.

Product Name	Description
Epic	High quality, polyester corespun that is precisely engineered to create durable, attractive seams on a wide range of fabrics across many applications.
Epic AWF	Free of perfluorinated compounds (PFCs), an environmentally friendly, anti-wicking thread for water-resistant outdoor wear and workwear.
Epic RD	Polyester corespun thread which delivers passive flame retardant properties, produced to conform to Nightwear Safety Regulations making it an ideal choice for children's nightwear.
Epic Metallic	Pick-and-mix colour range of metallised yarn and polyester thread to sew decorative stitching on denim.
Epic Multicolour	A pure polyester thread that is a part of the flagship Epic range of threads and gives each garment a truly unique finish.
Epic Protect	Coats Epic Protect sewing thread is treated with an innovative process to give the finished thread anti-microbial / anti-fungal properties.
Epic Rugged	High-tech thread which combines the strength, performance and superior properties of Epic with bleach-fastness for a thread that can withstand denim wash processes.
Epic SIF	Polyester covered corespun thread that is free from silicone and ideal for filtration needs within the automotive industry.
Epic Supermax	Ultimate sewing thread for smooth, premium-looking seams on fine tailoring and high quality garments.
Epic Verifi	Versatile quality polyester corespun sewing thread with an embedded security system.

Special use Epic 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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