



# Coats® EcoVerde™ Epic™ AS

Coats EcoVerde Epic AS is a highly versatile corespun thread made from 100% recycled materials. The construction of the thread, with the continuous filament polyester core and soft staple polyester wrap, delivers high seam strength and excellent performance. Our AS range of sewing 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 Coats EcoVerde Epic AS minimise the attraction of down towards the needle, helping to prevent down leakage through needle holes. The lower dynamic friction values of Coats EcoVerde Epic AS also enhances the uniformity of the stitch formation giving you neat and well balanced seams.

COATS EcoVerde™

Epic™ AS



100% RECYCLED  
POLYESTER CORESPUN  
WITH POLYESTER WRAP

2026

## Why choose Coats EcoVerde™ Epic™ AS?

- Excellent static and dynamic friction values help minimise “down” leakage through the needle hole, ensuring cleaner, higher-quality finishes
- Its enhanced heat-shield properties support smoother sewing on complex or sensitive materials, improving overall production efficiency
- Lower tension settings help achieve superior stitch balance, creating flatter, neater, and more visually appealing seams across various applications
- Reduced friction allows smoother thread run-off through the machine, contributing to longer-lasting seams and more reliable garment performance
- OEKO-TEX® STANDARD 100, Product Class I
- Less energy intensive to produce in comparison to virgin materials, which results in lower carbon emissions during production
- Delivers a similar level of performance as the virgin range, whilst offering sustainability benefits
- Global Recycled Standard (GRS) certified

## Main Uses:

- Activewear and outdoor wear to prevent down leakage through needle holes
- Oil sensitive materials such as C0 DWR fabrics (PFAS-free)
- Jackets for neater and flatter seams



Certified to the Global Recycled Standard (GRS) by IDFL, License No. 024352.



## Product Range

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
EV5S180	180	18	5,000M	780	17 - 26	65 - 75
EVS3180	180	18	3,000M	780	17 - 26	65 - 75
EV5S150	150	21	5,000M	980	17 - 26	65 - 75
EV5S120	120	24	5,000M	1,190	17 - 26	70 - 90
EVS3120	120	24	3,000M	1,190	17 - 26	70 - 90
EV5S100	100	30	5,000M	1,490	17 - 26	70 - 90
EVS4100	100	30	4,000M	1,490	17 - 26	70 - 90
EVS3100	100	30	3,000M	1,490	17 - 26	70 - 90
EV5S080	080	40	5,000M	1,960	18 - 24	70 - 90
EVS3080	080	40	3,000M	1,960	18 - 24	70 - 90
EVS3040	040	80	3,000M	3,940	21 - 28	100 - 120
EVS2030	030	105	2,000M	4,790	20 - 27	100 - 120

## Chemical Properties

Mineral acids:	Resistant to most mineral acids
Alkalies:	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 Fastness 60°C	ISO 105-C10 C	Grade 4
Water Fastness	ISO 105-E01	Grade 4
Rub Fastness	ISO 105-X12	Grade 4
Hypochlorite Fastness	ISO 105-N01	Grade 4
Dry Cleaning Fastness	ISO 105-D01	Grade 4
Perspiration Fastness	ISO 105-E04	Grade 4
Artificial Light Fastness	ISO 105-B02	Grade 4

These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels.





## Sustainability at Coats



### Energy

We reduce carbon emissions through more efficient use of energy and transitioning to renewable sources whenever they become available. This is our crucial contribution to combat climate change.



### Materials

With Coats EcoVerde we are driving the material transition away from virgin oil-based sewing threads. And we are on target to achieve 60% sustainable materials by 2026.



### Water

The colouration or dyeing process is where we use the most water in our operations. We take great care of water resource by reducing our water intensity and through the installation of water recycling facilities.



### Waste

Through all our processes we ensure that we recover, re-use and recycle as much material as possible. Where residual waste product is unavoidable, the waste is processed responsibly and always with the smallest impact on the environment.



### People

We have a responsibility to employees, their families, our communities and all the people in our wider supply chain who touch our business. Through policies, programmes and community events, we ensure that safety, wellbeing, fairness, equality, diversity and opportunity are always top of mind for everyone.

## Other products in the range

To complement the Coats EcoVerde Epic range, we also have a selection of specialist Epic threads. Each of these have additional benefits specific to the end use.

Product Name	Description
Coats EcoVerde Epic	100% recycled premium polyester corespun with polyester wrap thread that is precisely engineered to create durable, attractive seams on a wide range of fabrics across many applications.
Coats EcoVerde Epic AWF	100% recycled premium polyester corespun with polyester wrap thread with free of perfluorinated compounds (PFCs), an environmentally friendly, anti-wicking thread for water resistant outdoor wear and workwear.
Coats EcoVerde Epic Rugged	100% recycled premium polyester corespun with polyester wrap 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.
Coats EcoVerde Epic Supermax	100% recycled premium polyester corespun with polyester wrap thread - An ultimate sewing thread for smooth, premium-looking seams on fine tailoring and high quality garments.

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.

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](http://www.coats.com)



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