



COATS EcoVerde™

Epic™



100% RECYCLED
POLYESTER CORESPUN
WITH POLYESTER WRAP

Coats® EcoVerde™ Epic™

Coats EcoVerde Epic is a 100% recycled premium polyester corespun with polyester wrap sewing thread that has been precisely engineered to create durable, attractive seams across a wide range of recycled fabrics and materials. From delicate silks and leisurewear to robust denims, Coats EcoVerde Epic ensures an excellent stitch formation and seam appearance – even under the most demanding production line conditions.



Why choose Coats EcoVerde™ Epic™?

- Coats EcoVerde Epic is a high-performance, precisely engineered sewing thread designed to elevate productivity and reduce operational costs
- Superior strength and durability translate into lower repair rates, fewer returns, less waste, and greater efficiency on the production line
- World-class quality, enhanced abrasion resistance and excellent colour fastness
- 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:

- Fashion apparel for attractive seam appearance and perfect colour matching
- Broad category of garments and accessories that require create durable and attractive seams
- Uniforms and workwear where are needed strong, durable and pucker-free seams
- Jeanswear and casual twills requiring resistance to industrial laundry washing
- Lingerie women's swimwear in a wide range of colours



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 |
|-------------------|--------|-----|--------|---------------------------|---------------------------|--------------------------------------|
| EV51180 | 180 | 18 | 5,000M | 780 | 17 - 26 | 65 - 75 |
| EV31180 | 180 | 18 | 3,000M | 780 | 17 - 26 | 65 - 75 |
| EV51150 | 150 | 21 | 5,000M | 980 | 17 - 26 | 65 - 75 |
| EV51120 | 120 | 24 | 5,000M | 1,190 | 17 - 26 | 70 - 90 |
| EV31120 | 120 | 24 | 3,000M | 1,190 | 17 - 26 | 70 - 90 |
| EV51100 | 100 | 30 | 5,000M | 1,490 | 17 - 26 | 70 - 90 |
| EV31100 | 100 | 30 | 3,000M | 1,490 | 17 - 26 | 70 - 90 |
| EV51080 | 080 | 40 | 5,000M | 1,960 | 18 - 24 | 90 - 100 |
| EV53080 | 080 | 40 | 3,000M | 1,960 | 18 - 24 | 90 - 100 |
| EV51050 | 050 | 60 | 5,000M | 3,040 | 17 - 26 | 100 - 120 |
| EV53050 | 050 | 60 | 3,000M | 3,040 | 17 - 26 | 100 - 120 |
| EV51040 | 040 | 80 | 5,000M | 3,940 | 21 - 28 | 100 - 120 |
| EV53040 | 040 | 80 | 3,000M | 3,940 | 21 - 28 | 100 - 120 |
| EV51030 | 030 | 105 | 5,000M | 4,790 | 20 - 27 | 110 - 130 |
| EV53030 | 030 | 105 | 3,000M | 4,790 | 20 - 27 | 110 - 130 |
| EV53025 | 025 | 120 | 3,000M | 6,080 | 21 - 28 | 120 - 140 |
| EV53020 | 020 | 135 | 3,000M | 7,150 | 20 - 27 | 120 - 140 |
| EV53012 | 012 | 210 | 3,000M | 9,800 | 21 - 28 | 180 - 230 |

Chemical Properties

| | |
|--|---|
| Mineral acids: | Resistant to most mineral acids |
| Alkalies: | Essentially unaffected by weak alkalies, but less resistant to stronger alkalies, 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 |
| 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 AS | 100% recycled premium polyester corespun with polyester wrap thread designed for outdoor wear and engineered to provide excellent static and dynamic friction values which reduce leakage of 'down' through the needle hole. |
| 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



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 precision 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. Coats® is a registered trademark of J. & P. Coats, Limited. Coats EcoVerde™ and Epic™ are trademarks of J. & P. Coats, Limited. © Copyright reserved 2026. JANUARY 2026