

Coats® Epic™ EcoVerde AS

Epic EcoVerde 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 Epic EcoVerde AS minimise the attraction of down towards the needle, helping to prevent down leakage through needle holes. The lower dynamic friction values of Epic EcoVerde AS also enhances the uniformity of the stitch formation giving you neat and well balanced seams.

COATS
epic EcoVerde as



100% RECYCLED
POLYESTER
CORESPUN WITH
POLYESTER WRAP

WHY CHOOSE COATS EPIC ECOVERDE 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 CO 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
- STANDARD 100 by OEKO-TEX® 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:

- Outdoorwear
- Activewear
- Jackets



Coats Epic EcoVerde AS

PRODUCT RANGE

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
EV5S180	180	18	5,000M	784	17 - 22	65 - 75
EV5S180	180	18	3,000M	784	17 - 22	65 - 75
EV5S150	150	21	5,000M	980	17 - 22	65 - 75
EV5S120	120	24	5,000M	1,186	17 - 26	70 - 90
EV5S120	120	24	3,000M	1,186	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	1,965	18 - 25	70 - 90
EVS3080	080	40	3,000M	1,965	18 - 25	70 - 90
EV5S040	040	80	3,000M	3,940	18 - 25	100 - 120
EVS2030	030	105	2,000M	4,787	18 - 25	100 - 120

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 compound
Bleaching:	Unaffected
Insects/ microorganisms (mildew, rot):	Unaffected
Laundering/ dry cleaning:	Unaffected
Moisture regain:	0.4%

FASTNESS PROPERTIES

Wash fastness	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.



100% RECYCLED
POLYESTER
CORESPUN WITH
POLYESTER WRAP



Coats Epic EcoVerde AS

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.



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.

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 EcoVerde	100% recycled premium polyester corespun sewing thread
Epic EcoVerde Rugged	100% recycled premium polyester corespun sewing thread. Best bleach fastness under strong bleaching conditions in Denim
Epic EcoVerde AWF	100% recycled premium polyester corespun thread with anti-wick PFC-free

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.



100% RECYCLED
POLYESTER
CORESPUN WITH
POLYESTER WRAP

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 <https://www.coats.com/epic-ecoverde-as>

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 preciseness and correctness of the information provided. Product information sheets are updated for 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. © Copyright reserved 2023

