



# Coats® EcoVerde™ Seamsoft™ Protect

Coats EcoVerde Seamsoft Protect is a 100% recycled micro-filament textured polyester thread that offers exceptional softness and comfort for next-to-skin seams. It is treated with an innovative process to give the finished thread anti-microbial / anti-fungal properties.

The anti-microbial process creates a “zone of inhibition” that prevents the growth of odour and stain causing bacteria and pathogens around sewn seams, where microbes like to harbour, leaving seam crevices clean and fresh.



2025

## Why choose Coats EcoVerde™ Seamsoft™ Protect?

- Coats EcoVerde Seamsoft Protect delivers exceptional softness in the seams with the added benefit of anti-microbial properties; fights mould and mildew
- Coats EcoVerde Seamsoft Protect threads tested against AATCC 100 Anti-Microbial Test, exhibited excellent Anti-Microbial Resistance at 96% post 75 washes
- Meets Fungi Resistance Test - No growth of mould culture *Aspergillus Brasiliensis* (ATCC 9642), *Penicillium Pinophilum* (ATCC 11797), *Chaetomium Globosum* (ATCC 6205), *Gliocladium Virens* (ATCC 9645) and *Aureobasidium Pullulans* (ATCC 15233)
- Inhibits bacteria that causes odour and it is stain resistant
- 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:

- Medical light mattresses
- Medical supports
- Medical / hospital gowns
- Tents
- Backpacks
- Sports gloves
- Sports apparel
- Uniforms
- Workwear
- Military





## Product Range

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max
EPS5160	160	18	5,000	640	22 - 34
EPS5140	140	24	5,000	990	23 - 35
EPS5120	120	16	5,000	690	23 - 38

\*Standard put-up length for Seamsoft Protect is 5000m.  
For short length put-up 2500m, use article code EPS7 in place of EPS5.  
Coats EcoVerde Seamsoft Protect Tkt 120 is High Twist level.

## 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.

## Chemical Properties

Mineral acids:	Unaffected by the majority of mineral and organic acids
Alkalis:	Resistant to weak alkalis
Organic solvents:	Generally unaffected, but soluble in some phenolic compounds
Bleaching:	Unaffected
Laundrying:	Excellent durability
Finishes:	The lubricants applied are designed to give a consistent performance at high sewing speeds and minimum variability between shades. They are stable in storage over a wide range of conditions and are not harmful under normal usage. Storage under damp or extreme conditions should be avoided.





## 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 Seamsoft range, we also have a selection of specialist Seamsoft threads. Each of these have additional benefits specific to the end use.

Product Name	Description
Coats EcoVerde Seamsoft	100% recycled unique micro-filament textured polyester thread
Coats EcoVerde Seamsoft AS	Unique micro-filament textured polyester thread designed to meet the needs of outdoor performance sportswear, woven outerwear and fashion jackets.

Special use Seamsoft 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)



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 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 Seamsoft™ are trademarks of J. & P. Coats, Limited. © Copyright reserved 2025.

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