



Coats® EcoVerde™ Eloflex™ AS

Coats EcoVerde Eloflex is a 100% recycled innovative performance stretch sewing thread for high extension, stretch seams. It has good tenacity, high extension properties and excellent sewability. Coats EcoVerde Eloflex is a great option for soft and secure stretch seams for performance sportswear and next-to-skin garments. Its controlled elongation minimises the risk of seam extension failure on stretch fabrics.

The Coats EcoVerde AS range of threads are designed to meet the needs of outdoor performance sportswear. The lower dynamic friction values enhance the uniformity of the stitch formation, ensuring neat and well balanced seams

COATS EcoVerde™

Eloflex™ AS



100% RECYCLED
STRETCH POLYESTER

2025

Why choose Coats EcoVerde™ Eloflex™ AS?

- The AS finish provides excellent abrasion resistance to prevent seam damage and ensure long-lasting seams
- Controlled elongation minimises the risk of seam extension failure on stretch fabrics
- High extensibility and good seam strength with excellent sewability
- Allows for improved sewing performance on complex materials due to its higher heat shield
- 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 and outdoor apparel requiring durable stretch seams
- Performance sportswear and Activewear
- Running wear
- Highly stretchable leggings
- Yoga wear
- Stretch jeans and jeggings
- Neck seams and hemming operations
- Next-to-skin garments





Product Range

Article Ticket	Ticket	Tex	Length	Ply	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
ESX3180	180	18	3,000M	2	590	50 - 75	65 - 75
ESX3100	100	30	3,000M	3	910	50 - 75	75 - 90
ESX5100	100	30	5,000M	3	910	50 - 75	75 - 90
ESX3080	080	35	3,000M	2	880	50 - 75	75 - 90
ESX3060	060	50	3,000M	3	1,020	50 - 75	80 - 90
ESX2050	050	70	2,000M	2	1,700	50 - 75	100 - 120
ESX2030	030	105	2,000M	3	2,550	50 - 75	110 - 130

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

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:	0.2%

* Thread sizes are defined following the rules of the ASTM D204. This is the reason for some thread numbering differences in recycled and virgin option of the Eloflex thread.

- The three-ply fine size in recycled is Tkt 100, Tex 30. In virgin was Tkt 120, Tex 27.
- The Tkt 80 size is Tex 35 in recycled. In virgin was Tkt 80, Tex 40.

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Coats EcoVerde Eloflex AS stretches when you do!

Made from 100% pre-consumer material.



Delivering a superior athleisure experience.



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.

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

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