



Coats® Eco-B™

Coats Eco-B is a range of revolutionary recycled polyester threads incorporating an additive from CiCLO® to reduce synthetic fibre accumulation in landfills and oceans. The technology creates biodegradable 'spots' in the polymer matrix, where naturally-occurring microbes in certain environments can break down the plastics just as they do with natural fibres.

2026

Why choose Coats Eco-B™?

Sustainable:

- Utilises proprietary technology to reduce plastic waste in landfills and plastic pollution in our oceans
- Non-toxic to marine life

Functional:

- Easy to implement in the existing manufacturing
- Maintains integrity of fibres, no loss of durability or performance

Sensible:

- The CiCLO® fibres behave more like natural fibres when they end up in the environment
- The biodegradation process takes a long time and access to moisture and an abundance of microbes. It will not happen during use or care

- 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



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



Product Range

Epic Eco-B

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
BEE5120	120	24	5,000M	1,090	17 - 26	70 - 90
BEE5080	80	40	5,000M	1,805	18 - 24	75 - 90
BEE5050	50	60	5,000M	2,790	17 - 26	100 - 120
BEE5040	40	80	5,000M	3,625	18 - 25	100 - 120
BEE3030	30	105	3,000M	4,350	18 - 25	110 - 130

Gramax Eco-B

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
BEM5160	160	18	5,000M	620	20 - 32	70 - 90

Sylko Eco-B

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
BEK3120	120	27	3,000M	1,150	22 - 32	70 - 90

Use Coats Eco-B threads for garment ranges with CiCLO® technology in the fabric.

CiCLO® is a sustainable additive built into the chemistry of the polyester polymer during melt extrusion which enables Coats Eco-B threads to biodegrade like natural materials do in wastewater treatment plant sludge, sea water and landfill conditions, reducing synthetic microfibre pollution generated during washing and minimising plastic accumulation in landfills caused by discarded textiles.

CiCLO® is non-toxic to marine life and permanently embedded in the fibre so it will never wash out. It is only activated where conditions for biodegradation exist.





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:	0.4%

Fastness Properties

Wash Fastness 60°C	ISO 105-C10C	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.

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

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.



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. Eco-B™ is a trademark of J. & P. Coats, Limited. © Copyright reserved 2026. JANUARY 2026