

Embroidery Thread Solutions



NOVEMBER 2025

CONNECTING. PIONEERING. TRUSTED.

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WHO WE ARE

Coats is a world-class Tier 2 manufacturer and trusted partner for the apparel and footwear industries. We deliver essential materials, components, and software solutions that help our customers grow, compete and win.

With over 250 years of industry expertise, we're shaping the future of the apparel and footwear supply chain through insight-led innovation, impactful sustainability practices, and digital technologies that unlock better product quality, efficiency and performance.

Headquartered in the UK, Coats is a FTSE 250 company and a constituent of the FTSE4Good Index. We employ 16,000 people worldwide all united by a spirit of innovation, quality and service.

Coats is your trusted partner for embroidery expertise. Coats Embroidery Solutions Centres located in key embroidery markets service both local customers and global partners with embroidery technical support, ensuring you get the result you expect.

Our extensive, creative product range in embroidery and embellishment threads meets the most imaginative expectations. Whether you prefer luxurious shiny, metallic, reflective, or matte-effect embroidery the choice is yours.

SUSTAINABILITY

Coats is pioneering a sustainable future by finding new and innovative ways to create long-term, sustainable growth.

We are transforming our business, investing in new techniques and technologies, and continuously improving our policies, process and programmes in order to create a lasting positive impact, that supports businesses, people and our planet.

Let's work together to pioneer a sustainable future.

An aerial photograph of a dense, lush green forest with sunlight filtering through the canopy, creating a vibrant and textured scene.

PIONEERING A SUSTAINABLE FUTURE.

BRING THE BEST OUT OF YOUR DESIGNS, WITH EMBROIDERY SOLUTIONS FROM COATS.

EMBROIDERY FROM COATS

Our world-renowned expertise can help you create higher-quality embroidered garments in record time.



Our embroidery expertise covers every part of every application – from threads to trims – so you can expect high-quality, ultra-reliable products.



We've honed our technical knowhow over decades in the market – helping hundreds of brands to bring the best out of their embroidery applications.



And if you need support at any time, our globally available experts will always be on hand to help. We even have our own Embroidery Solution Centres across the globe, which offer technical guidance on design improvement, thread choices and sewing techniques.



It all adds up to higher quality, and total peace of mind.

EMBROIDERY SERVICE CENTRES

A key element of Coats Technical Services is our Embroidery Service Centre (ESC).

Our ESCs are fully equipped to assist our customers with technical input on their designs, which to help to

- Enhance quality
- Increase productivity
- Reduce cost (where practical)

COATS EMBROIDERY SERVICE CENTRES (ESC)

Coats ESCs will take an embroidered garment; re-digitise, and sew out the new design beside the original design for your comparison.

They will report back with thread type and size, interlinings and needles used to create the new sew out.

Sometimes it is just a matter of adjusting stitches in the current digitised file or recommending a different backing or type of needle.



COATS EMBROIDERY SOLUTIONS

Any thread product that will sew successfully on lockstitch machines employing Stitch Types 301 and 304 will usually work for embroidery applications.

If apparel sewing threads are used for embroidery these need to be carefully tested to avoid garment issues.

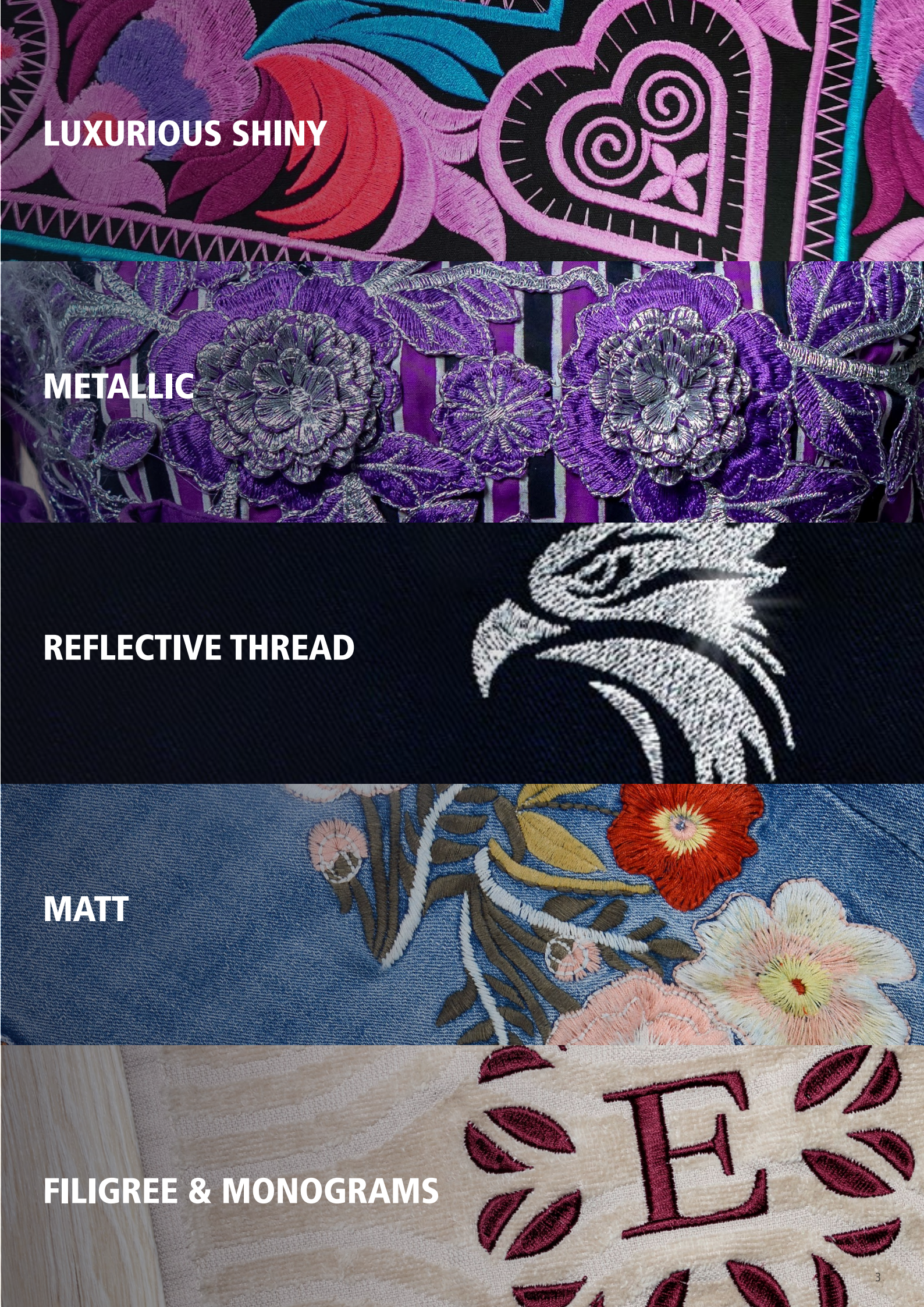
The quality and quantity of lubricant used in these sewing threads is different to that of embroidery threads and helps to minimise the friction and abrasiveness while the machine is running at these higher speeds.

If apparel sewing threads were to be used for embroidery the lubricant can potentially migrate from the thread and stain the fabric. The lubricant used for embroidery threads is lower and more tightly controlled to allow high performance, outstanding quality, and to minimise the risk of stains.

For this reason, Coats provides an extensive, creative product range in embroidery and embellishment threads, available through the online ordering platform, Coats eComm.

COATS EMBROIDERY THREADS

Create beautiful logos and decorative seams on clothing and accessories that are subject to wear and tear or frequent washing. Our extensive, creative product range in embroidery and embellishment threads meets the most imaginative expectations.





Eco-B™

A key element of Coats Technical Eco-B is the latest addition to the sustainable product line. Empowered by the CiCLO® technology, it seeks to reduce synthetic fibre accumulation in landfills, microfiber pollution in the oceans and to effectively enable environmental microbes to break down the plastics just like with natural fibres. The break down starts only in conditions where biodegradation occurs.

Eco-B maintains the fibre integrity with proven durability and enhanced performance as that of virgin materials.

WHY CHOOSE ECO-B?

Sustainable: Utilises proprietary technology to reduce plastic waste in landfills and plastic pollution in our oceans.

Functional: CiCLO fibres have the performance characteristics of plastic-based synthetic fibres but are enhanced for the earth's ecosystems.

Sensible: The CiCLO fibres behave more like natural fibres if they end up in the environment.

Versatile: Suitable for a range of different apparel applications i.e. activewear, intimates, ladieswear, childrenswear, etc.

Safe: OEKO-TEX® STANDARD 100, Product Class I



Sylko™ Eco-B™



Coats Sylko Eco-B is a recycled trilobal polyester embroidery thread 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.

Article	Ticket	Tex	Length m	Average Strength cN	Elongation % Min-Max	Recommended Needle Size Metric
BEK3120	120	27	3,000	1,050	20 - 29	75 - 90

*Needle size recommendations are a guide only and ultimately depend on the sewing application

Powered by  **CiCLO**
FUNCTIONAL. SENSIBLE. SUSTAINABLE.



Coats EcoVerde™ Sylko™



Coats EcoVerde Sylko is a 100% recycled trilobal polyester thread for machine embroidering. Coats EcoVerde Sylko has superior lustre, durability and smooth operation at the highest speeds, which makes it a popular choice among embroidery customers seeking performance.

Art/Tkt	Ticket	Tex	Length m	Strength cN	Elongation % Min – Max	Needle Size Metric
EV32180	180	18	3,000	747	20 - 28	65 - 75
EV32120	120	27	3,000	1,145	22 - 32	65 - 75

*Needle size recommendations are a guide only and ultimately depend on the sewing application



Coats EcoVerde™ Sylko™ Matt



Coats EcoVerde Sylko Matt is a 100% recycled polyester corespun thread for machine embroidery. It has an attractive matt appearance and lower levels of lubrication for embroidering on a variety of apparel applications. The lubrication is carefully adjusted to run perfectly on modern multi-direction embroidery machines at the high speeds they are engineered for. With Coats EcoVerde Sylko Matt, your embroidery result is smoother and faster compared with staple spun polyester threads.

Art/Tkt	Ticket	Tex	Length m	Strength cN	Elongation % Min – Max	Needle Size Metric
EV30180	180	18	3,000	784	17 - 22	65 - 75
EV30120	120	24	3,000	1,186	17 - 26	70 - 90

*Needle size recommendations are a guide only and ultimately depend on the sewing application



Coats EcoVerde™ Sylko™ Matt AS



Coats EcoVerde Sylko Matt AS provides a solution for oil sensitive materials such as C0 fabrics and has the potential to reduce lube migration. The lower dynamic friction values enhance the uniformity of the stitch formation providing neat, well balanced seams on embroideries. The reduced frictional values also allow smoother thread pull off through the sewing machine helping to deliver longer lasting seams.

Art/Tkt	Ticket	Tex	Length m	Strength cN	Elongation % Min – Max	Needle Size Metric
EV35180	180	18	3,000	784	17 - 22	65 - 75
EV35120	120	24	3,000	1,186	17 - 26	70 - 90

*Needle size recommendations are a guide only and ultimately depend on the sewing application





Coats EcoVerde™ Sylko™ AS



Coat EcoVerde Sylko AS is a 100% recycled trilobal polyester thread with outstanding sewability. It provides a solution for oil-sensitive materials such as C0 fabrics and has the potential to reduce lube migration. In drier atmospheric conditions the lower static friction values of Coat EcoVerde Sylko AS minimises the attraction of down towards the needle holes. A higher heat shield also allows for improved sewing performance on complex materials.

Art/Tkt	Ticket	Tex	Length m	Strength cN	Elongation % Min – Max	Needle Size Metric
EVAS180	180	18	3,000	747	20 - 28	65 - 75
EVAS120	120	27	3,000	1,145	22 - 32	65 - 75

*Needle size recommendations are a guide only and ultimately depend on the sewing application



Coats Sylko™ Metallic

Coats Sylko Metallic is a highly engineered composite thread for machine embroidery and decorative sewing. Its superior lustre and trouble-free operation makes Sylko Metallic a popular choice amongst the world's best embroiderers seeking outstanding performance and luxurious embellishment.

Sylko Metallic, can also be used in the top spreader of coverseams to give a pretty, decorative seam with a metallic or sparkle effect.

Article Ticket	Ticket	Tex	Length m	Strength cN	Elongation % Min - Max	Needle Size Metric	
1587120	120	27	3,000	630	35 - 60	65 - 75	All shades except below
1587120	120	27	3,000	490	10 - 20	65 - 75	19685 Antique Silver

*Needle size recommendations are a guide only and ultimately depend on the sewing application



Coats Signal™ Reflective Thread

Coats Signal Recycled and Coats Signal Soft are two high-tech retro-reflective sewing and embroidery thread products for fashion applications in apparel sewing. When illuminated by a light source, they help to enhance the visibility at night-time or in difficult weather conditions and add that extra special decorative feature. They are specially developed threads with an extraordinary high level of retro-reflectance coupled with good sewability and softness. Coats Reflective threads are ideal for fashion applications. They are not to be used for safety wear where strict norms for reflectivity values are specified.

Product Name	Article Ticket	Ticket	Tex	Length m	Average Strength cN	Elongation % Min - Max	Thermal Properties Melting Point °C
Signal Recycled	ECS5040	40	80	500	1,000	17 - 27	210 - 220
Signal Soft	SEV5040	40	70	500	960	15 - 25	250 - 260
Signal Soft	SEV5030	30	120	500	4,000	17 - 28	250 - 260
Signal Soft	SSV5040	40	70	500	1,600	13 - 23	250 - 260

*Needle size recommendations are a guide only and ultimately depend on the sewing application



Coats Gral™ LL

Coats Gral LL is a continuous filament polyester thread made from pre-stabilised high tenacity polyester and is the thread of choice for multiple end-uses. The soft finish with superior low friction lubrication reduces the effects of needle heat and abrasion.

Art/Tkt	Ticket	Tex	Length m	Strength cN	Elongation % Min – Max	Needle Size Metric
339L120	120	21	5,000	1,420	16 – 22	65 – 75

Also available as a sustainable product in recycled polyester

*Needle size recommendations are a guide only and ultimately depend on the sewing application



Coats Signal Recycled with Flash light



Coats EcoVerde™ Epic™ Multicolour



Coats EcoVerde Epic Multicolour is a high performance 100% recycled polyester cospun thread that has been injection dyed with up to 6 different colours to give an attractive, varied multicolour effect on the thread. Use Coats EcoVerde Epic Multicolour thread for eye-catching stitching effects on key wardrobe essentials.

Art/Tkt	Ticket	Tex	Length m	Strength cN	Elongation % Min – Max	Needle Size Metric
EVM5120	120	24	5,000	1,186	17 - 26	70 - 90
EVM5080	080	40	5,000	1,965	18 - 24	70 - 90
EVM5050	050	60	5,000	3,038	17 - 26	100 - 120
EVM5030	030	105	5,000	4,787	18 - 25	110 - 130

*Needle size recommendations are a guide only and ultimately depend on the sewing application



Coats EcoVerde™ Gral™ Multicolour



Coats EcoVerde Gral Multicolour is a 100% recycled continuous filament polyester with injection dyed up to six different colours to give an attractive, varied multicolour effect on the thread. This sewing thread will give you eye-catching stitching effects on all kinds of denim wear. From subtle tone-in-tone to rainbow contrast colours, Coats EcoVerde Gral Multicolour gives you that extra special look for distinctive looking garments.

Art/Tkt	Ticket	Tex	Length m	Strength cN	Elongation % Min – Max	Needle Size Metric
EVM3040	040	60	3,000	4,228	16 - 26	100 - 110
EVM3030	030	80	3,000	5,197	17 - 26	130 - 140
EVM3020	020	135	3,000	8,360	17 - 27	140 - 160
EVM1010	010	270	1,000	16,625	20 - 35	160 - 180

*Needle size recommendations are a guide only and ultimately depend on the sewing application