

# CHILDRENSWEAR BROCHURE



CONNECTING. PIONEERING. TRUSTED.



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# WHO WE ARE

Coats is the world's leading industrial thread company. Through innovative solutions and sustainable values, we create durable products that touch humanity, protect and improve lives, and form the fabric of life.

Over the years, we have developed particular expertise in producing threads, trims and zips for childrenswear garments. Our solutions deliver on softness, security and safety when it matters most. What's more they are supported by a dedicated technical team who are on hand to provide guidance throughout a project lifecycle.

For added peace of mind, we comply with all relevant international regulations and laws:

### 1) International Standards

- a. **CPSIA** - Consumer Product Safety Improvement Act - For USA Compliance
- b. **REACH** – Registration, Evaluation, Authorisation and Restriction of Chemicals

### 2) International Standards

- **STANDARD 100 by OEKO-TEX®** – The majority of Coats solutions are certified to this standard\*

\* Excludes RD range



Each year we make enough thread to go into 8 billion pairs of jeans – that's is one for every person on the planet



More than 100 million car airbags are made using Coats' Performance Materials thread every year



Every month Coats produces enough thread to stretch all the way to the sun



Our flame retardant Performance Materials threads can withstand temperatures as high as 1,000 degrees Celsius



More than 450 million pairs of shoes are made every year using Coats' thread



In 1879 Thomas Edison used Coats' thread in his experiments to invent the light bulb



## SUSTAINABILITY

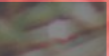
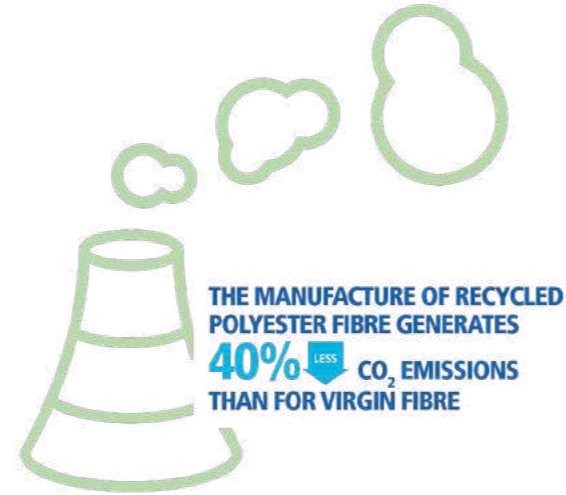
With the EcoVerde range from Coats you can create sustainable garments to look, feel and perform like a traditionally-made product.

Coats EcoVerde is a range of threads, zips and trims made from 100% recycled premium polyester. It is available wherever you are in the world

You shouldn't have to choose between your business priorities and the environment. That's why we're committed to sustainable business practices, and by 2024, all our premium quality polyester threads will be 100% recycled.

What's more, as part of our eco journey we are developing solutions across our supply chain which take into consideration the requirements of the circular economy.

It's all part of our collaborative approach to assist you with achieving your sustainability goals.







## THREADS | STANDARD THREADS

Coats offers a range of threads for childrenswear garments, which are especially designed to provide optimal sewing performance and stretch characteristics.



### EPIC

A versatile quality polyester corespun sewing thread used by leading brands and manufacturers worldwide for attractive and durable seams.



### ASTRA

A best-in-class staple spun polyester (SSP) thread with significantly higher sewing performance in comparison to other SSP threads offered in the market.



### GRAMAX

A continuous filament textured polyester thread. It is used on overlocking and cover seaming machine loopers.



### SEAMSOFT

A microfilament textured polyester thread that offers exceptional softness and comfort, especially in 'next-to-skin' seams.



### GRAL

A lubricated polyester thread made from pre-stabilised high tenacity continuous filament polyester. It offers a high breaking strength and optimum stretch characteristics.





## CASE STUDY: EPIC AND GRAMAX



### THE PROBLEM:

Coats worked with a customer who had previously suffered with poor quality textured thread from local suppliers. This in turn led them to consider the ban of monofilament thread on loopers.



### COATS SOLUTION:

In order to overcome the issue, the Coats technical team examined previous garments from the customer and re-engineered the seam.

After evaluating relevant options by carefully considering sewn samples, the combination of Epic Tkt120 and Gramax Tkt 160 was proposed and eventually selected for optimum cost and quality purposes.

Most of the vendors who worked with the customer have now migrated from standard SSP quality to Coats solutions.

Speak to our technical team to see how we can help you



## THREADS | ECOVERDE THREADS

Delivering the same performance as the virgin range, Coats EcoVerde is a sustainable category of threads which utilises recycled materials.



### EPIC ECOVERDE

A 100% recycled premium polyester corespun sewing thread that has been precisely engineered to create durable, attractive seams.



### ASTRA ECOVERDE

A 100% recycled staple spun polyester (SSP) thread across a wide range of recycled fabrics and materials.



### GRAMAX ECOVERDE

A 100% recycled polyester continuous filament textured thread, which is ideal for activewear applications.



### SEAMSOFT ECOVERDE

Seamsoft EcoVerde is a 100% recycled unique micro-filament textured polyester thread that offers exceptional softness and comfort for next-to-skin seams.



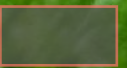
### GRAL ECOVERDE

A premium polyester thread made from 100% recycled pre-stabilised high tenacity continuous filament polyester.



### SYLKO ECOVERDE

Coats Sylko EcoVerde is a 100% recycled trilobal polyester industrial sewing thread for machine embroidery.







## THREADS | RD THREADS

The RD thread range is designed to deliver on safety when it matters most and meets the flammability requirements of nightwear regulations.



### EPIC RD

A premium quality 100% polyester corespun thread, which is ideal for snug-fitting children's nightwear. It is produced to conform to U.S. Legislation 16 CFR 1615 and BS EN 14878:2007 (Nightwear Safety Regulations).



### ASTRA RD

A best-in-class 100% staple spun polyester (SSP) thread, which conforms to U.S. Legislation 16 CFR 1615 and BS EN 14878:2007 (Nightwear Safety Regulations).



### GRAMAX RD

A 100% polyester continuous filament textured thread. It is produced to conform to U.S. Legislation 16 CFR 1615 and BS EN 14878:2007 (Nightwear Safety Regulations).



### SYLKO RD

A trilobal polyester thread especially engineered for embroidery applications on nightwear. It is designed to conform with U.S. Legislation 16 CFR 1615 and BS EN 14878:2007 (Nightwear Safety Regulations).



## THREADS | AWF THREADS

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Ideal for water-resistant outdoor wear, Coats anti-wicking (AWF) thread prevents the capillary action of water transportation through the thread in the seam



### EPIC AWF

An environmentally friendly, 100% corespun thread. It contains a PFC-free anti-wick finish to provide water resistance in childrenswear garments.



### GRAL AWF

An environmentally friendly, 100% continuous filament thread. It contains a PFC-free anti-wick finish to provide water resistance in childrenswear garments.







## THREADS | PROTECT THREADS

The Coats Protect range prevents odour and stain causing bacteria around seams, leaving garments remarkably fresh.



### EPIC PROTECT

A versatile polyester corespun thread, treated with an innovative process to provide anti-fungal and anti-microbial properties.



### SEAMSOFT PROTECT

A unique micro-filament textured polyester thread, treated with an innovative process to provide anti-fungal and anti-microbial properties.



### GRAMAX PROTECT

A 100% polyester continuous filament textured thread. It provides good seam coverage and softness for neat, comfortable seams with the added benefit of anti-fungal and anti-microbial properties.



## THREADS | DECORATIVE AND EMBROIDERY

Bring childrenswear garments to life by choosing from a diverse range of colourful, decorative embroidery threads from Coats.



### EPIC MULTICOLOUR

A 100% polyester corespun thread, which is ideal for decorative stitching or on seams to give an attractive, multicolour effect especially on darker fabrics.



### LUCENCE

An embroidery thread with a special 'glow in the dark' effect. This solution is ideal for adding an extra decorative touch on childrenswear garments.



### SYLKO METALLIC

A highly engineered composite thread for machine embroidery and decorative sewing. It helps to create luxurious embellishment.



### GRAL MULTICOLOUR

A continuous filament polyester thread that is injection dyed with up to six different colours to give an attractive, multicolour effect on the thread.



### SYLKO

A trilobal polyester thread for machine embroidering with superior lustre, durability and smooth operation at the highest speeds. Ideal for logos on childrenswear.



### SYLKO RD

A trilobal polyester thread especially engineered for embroidery applications on nightwear. It has a unique lubrication which results in high productivity and conforms to U.S. Legislation. CFR1615 and BS EN 14878:2007 (Nightwear Safety Regulations).







## PERMESS INTERLININGS

Coats and Permess have formed a strategic alliance to provide a comprehensive co-branded range of interlinings and related services to the garment industry.



### PERMESS OVER-THE-BACK (OTB)

Designed for maximum wearing comfort, the Over-The-Back (OTB) range of soft adhesive interlinings fuse onto the backside of an embroidery to protect the skin from coarse threads. They are ideal for most embroidery applications in childrenswear.



### PERMESS ECOVERDE

Articles in the Coats Permess EcoVerde range are made of premium quality 100% recycled polyester interlinings, which are certified according to Global Recycled Standard (GRS). They are proven to deliver the same performance as virgin polyester interlinings.



EMBROIDERY FRONT



BACKSIDE WITHOUT OTB



BACKSIDE WITH OTB



## CONNECT HOOK & LOOP FASTENER



### CONNECT HOOK & LOOP

A durable hook and loop fastener range, which is suitable for frequent opening and closing due to its market leading performance.

The Coats Connect range is available in different widths and shades. What's more, there is a choice of

adhesive, flame retardant and elastic hook and loop fastener options to suit diverse project requirements. Outside of this range, customised solutions can also be created in line with customer needs .

## SIGNAL REFLECTIVE TAPES AND HEAT TRANSFERS



### SIGNAL REFLECTIVE TAPES

The Coats range of Signal reflective tape solutions meets and exceeds the requirements of all high visibility norms and are suitable for decorative applications across a wide variety of garments and fabric types.

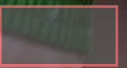
Available in different widths and finishes, Coats Signal Reflective Tapes are proven to withstand tough laundry conditions for added peace of mind.



### SIGNAL REFLECTIVE HEAT TRANSFERS

The Coats Signal Reflective Heat Transfer range of products are ideal for adding distinctive design elements, whilst enhancing visibility in low light or adverse weather conditions.

The range can be easily applied by using a heat press and there is also the possibility for customised designs such as logos or shapes.







## SIGNAL LUCENCE PHOSPHORESCENT PRODUCTS

Signal Lucence is a range of sew-on tapes, heat transfers and adhesive materials. It utilises a patent-pending, revolutionary safety innovation based on phosphorescent technology, to improve the visibility and safety of the wearer.

Unlike standard reflective tapes that rely on a secondary light source, Signal Lucence works when there is no light source or a reduced light. However, when daylight or a fluorescent light

source is present it can be fully charged in under 10 minutes and offers enhanced visibility for over 8 hours.

For added peace of mind, Signal Lucence is a lightweight solution. It requires no batteries or cables, can be easily washed, and accelerated testing demonstrates that the phosphorescent pigments will work for 20 years.



## OPTI S – SPIRAL ZIPS

Opti S Spiral Zips are manufactured using the unique 'S'-technology, the core of which utilises one weaving operation where high quality fibres are interwoven



**OPTI S  
REGULAR**

A strong, slender zip which is suitable for a variety of applications.



**OPTI S  
BLACKLINE**

Features a stylish black spiral chain, with a range of tape colours available.



**OPTI S  
NEON**

A range of zips dyed in neon radiant shades for a superior visual appearance.



**OPTI S  
SIGNAL**

The special retro-reflective ribbon on the tape helps to enhance visibility in low light conditions.

whilst inserting the spiral. This allows for a smaller slider, because the spiral lies flat on the textile tape and increases the strength of the zip.



**OPTI S  
HYDRO F**

Includes a specially formulated PU film for the highest level of protection from water penetration in its class.



**OPTI S  
PICTA**

Allows for high quality accurate printing. The colours are highly resistant to washing.



**OPTI S  
PROTECT**

Designed with an anti-microbial finish which provides enhanced protection against microbes.



**OPTI S  
ECOVERDE**

A range of polyester zips which are made from recycled plastic (PET) bottle flakes.







## OPTI P – PLASTIC MOULDED ZIPS

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The Opti P Zips range utilises plastic moulded teeth, which are produced by pressure casting each separate tooth directly on the woven and dyed textile tape.



### OPTI P REGULAR

Our standard range of plastic moulded zips which are available in a range of sizes.



### OPTI P CONTRAST

Contains plastic moulded teeth and a textile tape dyed in different colours.

The teeth are injected at defined intervals, depending on their size.



### OPTI P QR

Especially designed for jackets and zipped outerwear to be opened quickly.



### OPTI P LUCENCE

Designed to deliver a special 'Glow-in-the-Dark' effect for enhanced fashion and style.



## OPTI JR – CHILD-FRIENDLY PULLERS



Opti JR is a collection of pullers specially designed for childrenswear zips. All pullers comply with the standards and requirements for childrenswear under CPSIA and REACH:

- Torque & tension test
- Small parts
- Sharp points & edges
- Lead, cadmium and heavy metals content
- Phthalates

