

COATS SUSTAINABILITY PERFORMANCE MATERIALS

HIGH PERFORMANCE
MAXIMUM SUSTAINABILITY



CONNECTING. PIONEERING. TRUSTED.



SUSTAINABILITY WITHOUT COMPROMISING ON QUALITY

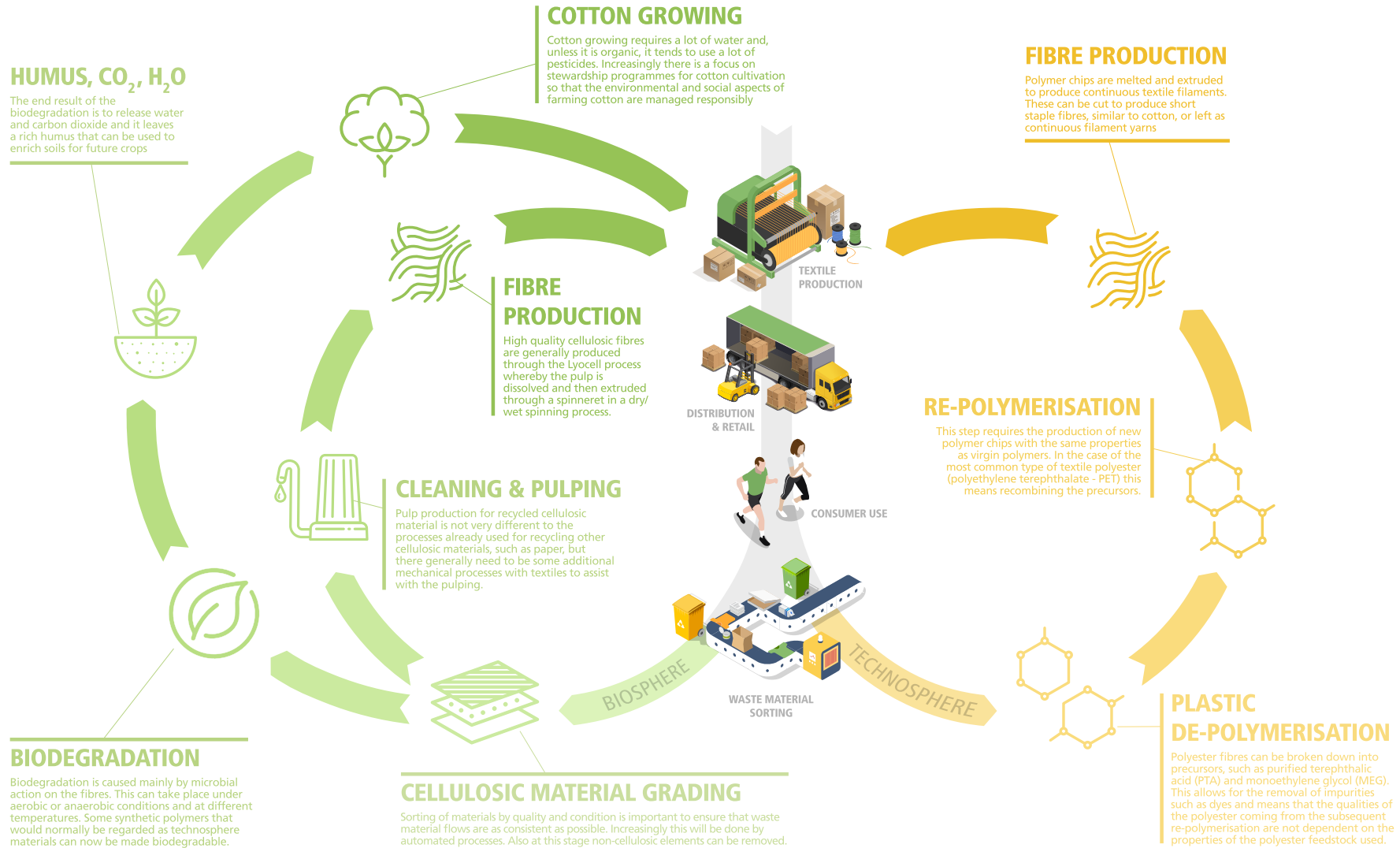
Sustainability is key to survival – in business and globally. With eco-friendliness driving customer choice, we must all be seen to be playing our part. Not just because it is a good thing to do, but because it is the right thing to do.

That is why we are proud of our Eco Journey, and of helping you deliver your sustainability agenda and targets.

We help find ways to waste less, while reusing and recycling more. We produce more innovative sustainable solutions, from threads to composites. And we champion alternative washing, dyeing and bleaching processes that are more sustainable.



**JOIN US
ON OUR JOURNEY
TO A 100% CIRCULAR
ECONOMY**



Sustainability is more than simply meeting targets and achieving goals. It is about how we think, and changing the way we do business for good. We are on a mission to a revolutionary circular economy for the textile industry, in the threads, yarns and composites we make, and in the way we work.

THE GREENEST RANGE ON THE PLANET

Sustainability may help the environment, but it won't help your business if the products you use don't perform every bit as brilliantly as their virgin equivalents.

At Coats, we are proud to say each and every eco-friendly thread, zip, yarn, tape and composite offers equally superior performance and excellent quality.

We are adding to our range all the time – and we aim to convert all of our premium polyester threads to recycled alternatives by 2024. Our global Innovation Hubs are hard at work exploring new materials, methods, and processes so you enjoy more choice, without compromising on quality.



WATER



ENERGY



EFFLUENT
& EMISSIONS



SOCIAL



LIVING
SUSTAINABLY



The first globally available 100% recycled line of GRS certified premium corespun and textured threads derived from post-consumer PET bottles. It delivers the same proven level of performance as the industry's leading non-recycled threads, but with a drastically reduced carbon footprint.

Here's how it works:



We recycle all clear plastic waste, like used PET bottles.



These are sorted, cleaned and ground to flakes.



It's then melted down and extruded into fibre and filaments.



Finally, creating a vast range of Coats EcoVerde products.



ECOREGEN

Offering outstanding comfort and enhanced elongation, EcoRegen is fully biodegradable and compostable due to its cellulosic origin. Lyocell in comparison to cotton, does not require irrigation, pesticides, or labour-intensive processes during its cultivation.

It's made from 100% controlled wood sources too. So, it boasts a closed-loop manufacturing process, a vastly reduced carbon footprint – and it means you can be more sustainable too.

For added peace of mind, EcoRegen is FSC and Canopy compliant.

COATS
EcoRegen



ER05
Tkt 050

5000m
Tex 035

RBER SAMPLE
CoI UNBLD



BIODEGRADABLE



COMFORT



**ENHANCED
ELONGATION**

**BY 2024, ALL OF
OUR PREMIUM
POLYESTER
THREADS WILL BE
100% RECYCLED.**



THREADS



EPIC ECOVERDE

DURABLE. RESPONSIBLE.

This premium recycled polyester corespun sewing thread has been precisely engineered for stronger, more durable, attractive seams across a wide range of recycled fabrics and materials. From delicate silks and leisurewear to robust denims, it ensures an excellent stitch formation and seam appearance – even under the most demanding production line conditions.

WHY CHOOSE EPIC ECOVERDE?

- Lower repair rates, manufacturer returns and irregularities for increased productivity
- World-class quality and enhanced abrasion resistance
- Allows use of finer threads and needles for superior seam appearance without compromising strength
- Perfect colour matching and excellent colour fastness

MAIN USES

- Uniforms and workwear
- Filtration
- Furniture
- Upholstery
- Household textiles
- Mattresses and bedding
- Outdoor goods
- Sporting goods





GRAMAX ECOVERDE

COMFORT THAT CARES.

This continuous filament textured thread may be recycled, but it still provides maximum softness. It's ideal for use in the loopers of overlocking, serging and cover seaming for next-to-the-skin comfort.

WHY CHOOSE GRAMAX ECOVERDE?

- Good seam coverage for neat, comfortable seams
- Low shrinkage property, so no seam distortion after washing
- High level of colour fastness even in demanding washing conditions

MAIN USES

- Household textiles
- Uniforms and workwear
- Furniture
- Upholstery
- Mattresses and bedding





GRAL ECOVERDE

HIGH STANDARDS. LOW IMPACT.

A lubricated polyester thread that produces attractive fine seams – especially in leather applications. It's made from recycled pre-stabilised high tenacity continuous filament polyester – which is compatible with all footwear materials and delivers an outstanding look, feel and performance.

WHY CHOOSE GRAL ECOVERDE?

- The lubricated finish reduces friction and needle abrasion
- Excellent loop formation
- Consistent stitch and neat seam formation

MAIN USES

- Filtration
- Multi-needle quilting
- Outdoor goods
- Sporting goods





GRAL QUILT ECOVERDE RELAX. IT'S ECO-FRIENDLY.

Coats Gral Quilt EcoVerde is a specially finished 100% recycled polyester thread made from pre-stabilised high tenacity continuous filament polyester.

The finishing process given to Gral Quilt EcoVerde gives our thread extra stability and controlled extension. Its superior lubrication ensures consistent loop formation and neat seam appearance. We offer Gral Quilt EcoVerde in package sizes to suit most machines. Gral Quilt EcoVerde is for multi-needle quilting operations in the bedding and mattress sector.

WHY CHOOSE GRAL QUILT ECOVERDE?

- Made from pre-stabilised 100% recycled high tenacity continuous filament polyester
- Ideal for multi-needle quilting operations
- Available in larger package sizes, suitable for most quilting machines

MAIN USES

- Bedding
- Mattresses
- Multi-needle quilting operations





DUAL DUTY ECOVERDE

HARD-WORKING. EASY ON THE ENVIRONMENT.

This premium quality recycled cospun thread combines a high tenacity recycled polyester filament core with a Better Cotton Initiative (BCI) certified cotton cover. This means excellent strength and durability, while the long staple cotton wrap ensures excellent sewing performance and protects the core from needle heat.

WHY CHOOSE DUAL DUTY ECOVERDE?

- Excellent sewing performance in the most demanding applications
- Allows use of finer threads and needles for superior seam appearance without compromising strength
- Outstanding abrasion resistance

MAIN USES

- All next-to-skin garments
- Performance sportswear and bike wear
- Luxury intimates, which require a special shade effect





NEOPHIL ECOVERDE

MAKE MOTORING A LITTLE BIT GREENER.

Coats Neophil EcoVerde is the new generation 100% recycled sewing thread, carefully engineered for the automotive industry. It is best suited for seat trim applications and is ideal for sewing decorative stitches for gear stick covers and headliners. These threads were developed to survive high-speed, multidirectional sewing through multiple layers of fabric as well as withstanding UV light for the lifetime of any vehicle.

WHY CHOOSE NEOPHIL ECOVERDE?

- Made from pre-stabilised 100% recycled high tenacity continuous filament polyester
- Available in bonded, lubricated, twisted, monocord and air-jet textured versions
- Carefully tailored constructions and finishes to maximise sewing efficiencies and minimise costs
- Available in a full range of ready-wound bobbins to help enhance your productivity

MAIN USES

- Automotive carpets
- Automotive mats
- Car headliners
- Convertible tops
- Gear stick covers
- Seat covers
- Side door panels
- Seat trims
- Spare wheel covers
- Steering wheel covers





ECOREGEN

RECYCLABLE. BIODEGRADABLE. COMPOSTABLE.

Offering outstanding comfort and enhanced elongation, Coats EcoRegen is made from 100% lyocell, a renewable fibre derived from wood sourced from sustainably managed forests. This eco-friendly regenerated fibre is fully biodegradable and compostable due to its cellulosic origin. It's carbon-neutral and made from 100% controlled wood sources, so it reduces your carbon footprint.

WHY CHOOSE ECOREGEN?

- Eco-friendly, fully biodegradable, and compostable
- Superior elongation, outstanding comfort and touch, ideal for next to skin applications
- Lyocell does not require irrigation, pesticides, or labour-intensive processes during its cultivation
- The highest dry & wet strength amongst all the cellulosic fibres
- Closed-loop manufacturing process (99.7% solvent recovery)
- Life Cycle Assessments available

MAIN USES

- Post dyed garments
- Workwear
- Sports equipment
- Household textiles



EMBROIDERY



SYLKO ECOVERDE

HIGH QUALITY. BIG DIFFERENCE.

For extraordinary machine embroidery performance, choose this trilobal recycled polyester thread. It has superior lustre, durability and smooth operation at the highest sewing speeds, which makes it a popular choice among embroidery customers.

WHY CHOOSE SYLKO ECOVERDE?

- Excellent lustre and extensive range of colours and durability
- Superior colour fastness and chemical resistance
- Unique lubrication resulting in high productivity
- Superior abrasion resistance for demanding end uses
- Engineered for high-speed sewing

MAIN USES

- Embroidered products subject to wear-and-tear or frequent laundering
- Caps, headwear, bags and accessories
- Team logos on sportswear and athletic wear
- Household textiles
- Workwear and corporate wear
- Automotive





SYLKO ECOVERDE MATT

FASTER. SMOOTHER. BETTER.

This recycled polyester corespun thread has an attractive matt appearance. The lubrication is carefully adjusted to run perfectly on modern multi-direction embroidery machines at high speeds, meaning a faster, smoother performance.

WHY CHOOSE SYLKO ECOVERDE MATT?

- Runs at high speed on multi-direction embroidery machines
- Choose from over 1000 shades from the Coats Global Colour Book
- Reduced thread breakage compared with staple spun threads
- Prevents oil stain/migration post-embroidery

MAIN USES

- Embroidered products subject to wear-and-tear or frequent laundering
- Workwear and corporate wear
- Household textiles





ADMIRAL TEABAG VERO

THE ALL-NATURAL CHOICE.

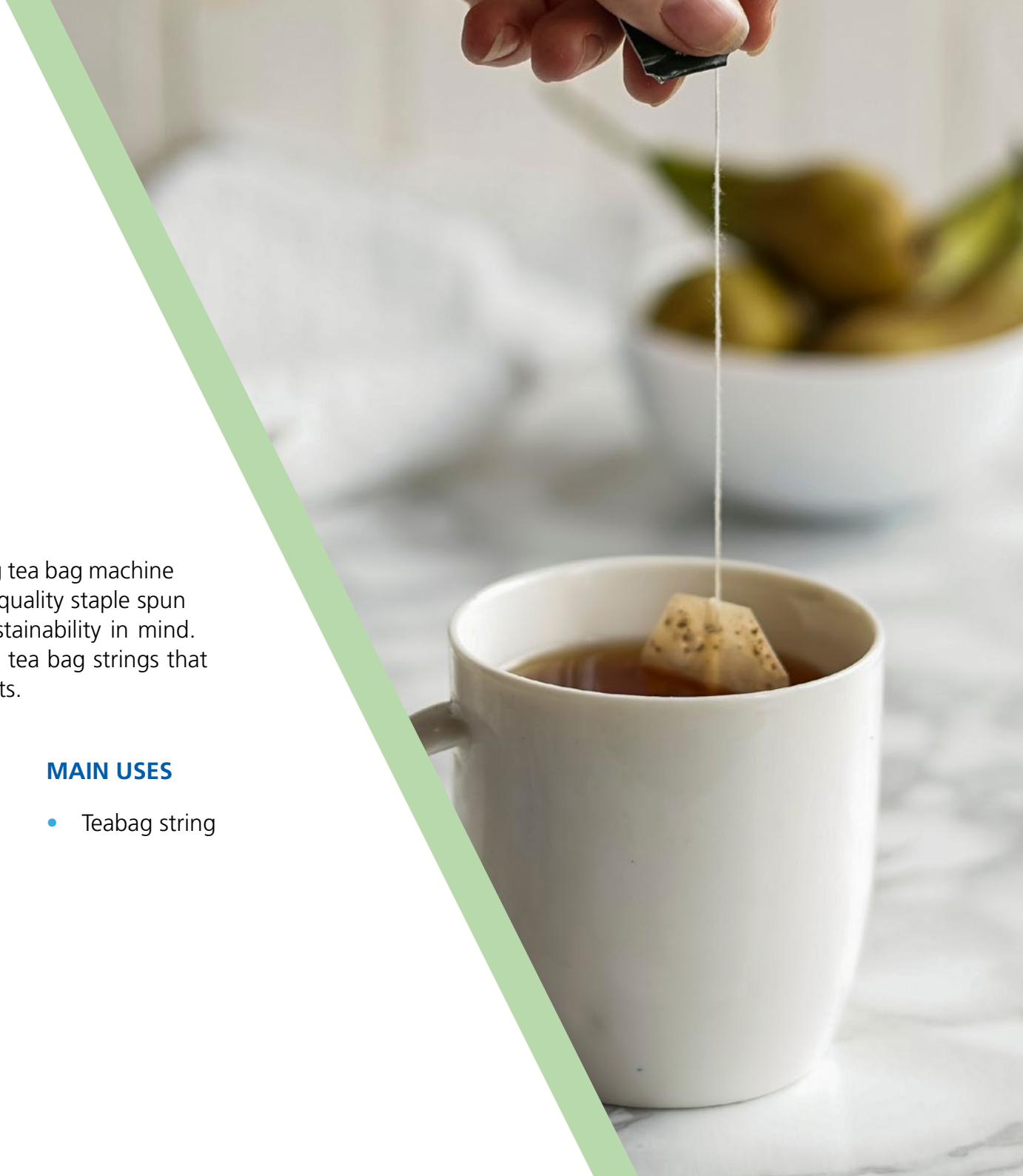
Coats Admiral Teabag Vero has been created with leading tea bag machine manufacturers and tea producers. It's a 100% premium quality staple spun organic cotton string that has been developed with sustainability in mind. Our raw materials are sourced with care for eco-friendly tea bag strings that are certified and enhance the quality of your end products.

WHY CHOOSE ADMIRAL TEABAG VERO?

- Engineered to perform at maximum speed on all popular machines
- FDA approved wax lubrication for smooth performance
- Compatible with Constanta, Perfecta, IMA and Mai
- Manufactured in a dedicated certified clean room
- Long length packages and high productivity

MAIN USES

- Teabag string





COATS
admiral fh vero

100% STAPLE SPUN
ORGANIC COTTON

ADMIRAL FH VERO

KIND TO THE PLANET, AND YOUR CUSTOMERS.

Environmentally friendly Coats Admiral FH Vero is a 100% organic cotton anti-wick tampon withdrawal cord. It provides superior anti-wicking performance, microbial purity and odour protection, and is made in a sterile clean room environment to protect against bio-organisms.

WHY CHOOSE ADMIRAL FH VERO?

- Made from 100% organic cotton
- Biodegradable Coats Admiral FH Vero has maximum leak protection
- Operates flawlessly on high-speed machinery with minimal breaks, skips and stops.
- Customized for unique sizes and twists

MAIN USES

- Tampon withdrawal cords for both digital and applicator products.



RECLID TEABAG

A SUSTAINABLE SIP.

Coats RecLID Teabag is a polylactic-acid yarn that is made from a renewable raw material and used in tea bag manufacturing. Our RecLID Teabag is mineral oil free and biodegradable which makes it environmentally responsive. It has a low temperature melting point which ensures the tea bag string will easily secure to the tea bag and ... it is made from a renewable, biodegradable natural raw material.

WHY CHOOSE RECLID TEABAG?

- Melts at low temperatures
- Made from a renewable natural raw material
- Environmentally responsive yarn that is biodegradable
- RecLID Teabag thread is engineered to have low wicking performance, avoiding uptake of tea through the yarn
- Engineered for lower hairiness, which enhances the yarn's appearance
- Our PLA teabag thread is tested to comply with:
 - Notification No. 370 of Ministry of Health, Labour and Welfare, 1959, under the Japan Food.
 - Sanitation Law (Law No. 233, 1947)
 - European Commission Regulation No.10/2011
 - Regulation No. 2016/1416 and Regulation No. 1935/2004
 - Oeko-Tex Standard 100

MAIN USES

- Pyramid tea bags





COATS
lattice lite eco



SUSTAINABLE COMPOSITE
PREFORM TECHNOLOGY

LATTICE LITE ECO

THE REVOLUTIONARY FIBRE-LAYING TECHNOLOGY.

Coats Lattice Lite Eco is a revolutionary fibre-laying technology that uses eco-friendly raw materials like recycled carbon, basalt fibre or thermoplastics like PA11 or recycled PA6 for unbeatable sustainability in active and safety footwear. The technology allows placing yarns into the exact place and direction for your design desires.

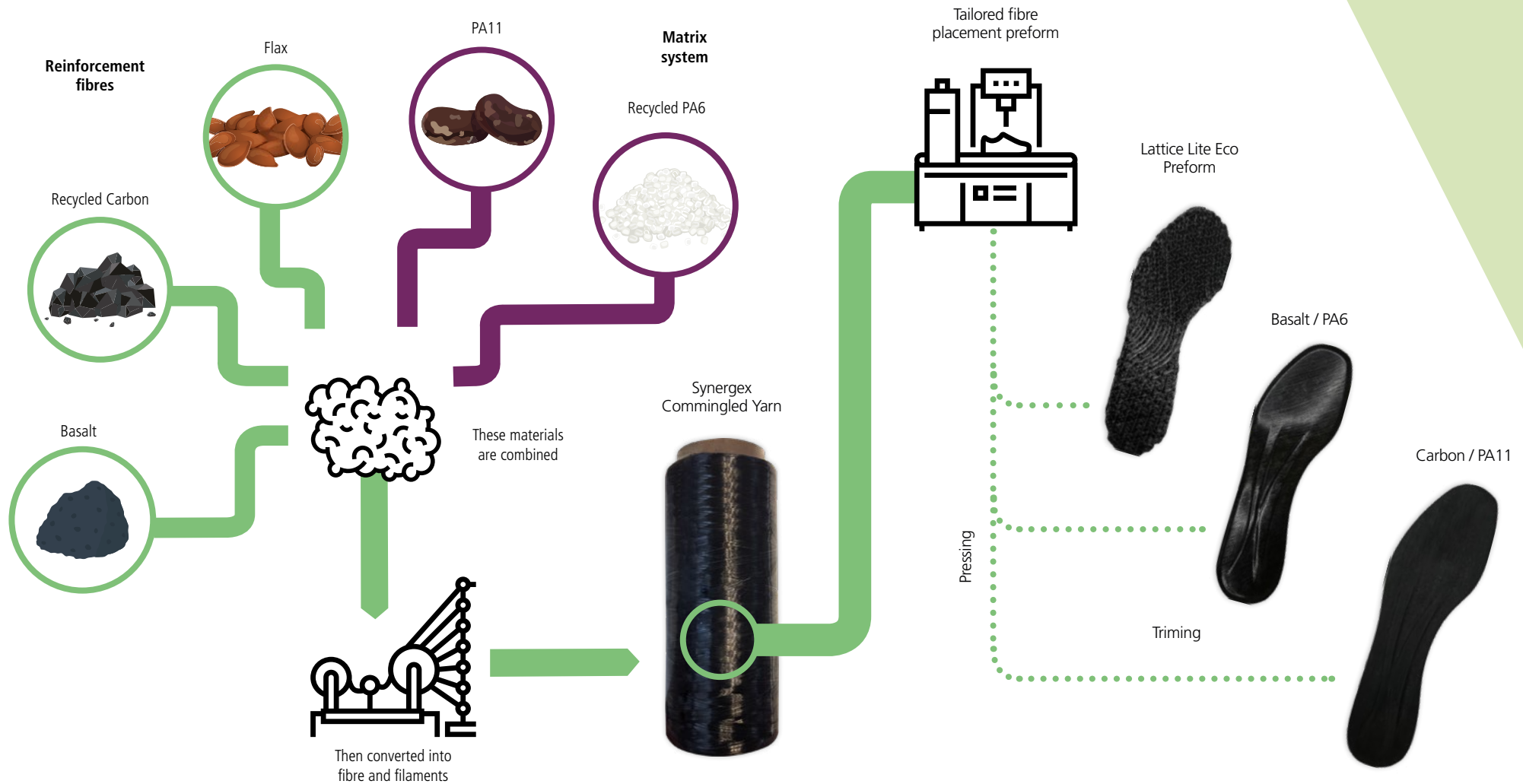
WHY CHOOSE LATTICE LITE ECO?

- Fully optimised fibre paths for intelligent component performance that enhances characteristics such as flexibility, torsion and rigidity
- Utilises Synergex Commingled fibre providing accelerated moulding process cycle times (circa 120 seconds)
- Eliminates the need for additional resin steps either prepreg or resin transfer moulding accelerating the manufacturing processes
- Lattice Lite Eco reduces material waste compared to more traditional composite operations to less than 5% using continuous fibre placement

MAIN USES

- Footwear plates
- Torsion bars
- Heel counters
- Bindings
- Knuckle protection

LATTICE LITE ECO PRODUCTION PROCESS



COMING SOON...



ECO B

Currently in development, this ground-breaking recycled polyester thread contains an innovative additive that reduces synthetic fibre accumulation in landfill and microfibre pollution in the oceans. So, at the end of a product's life, it doesn't harm the planet.



ECOCYCLE

Make end-of-life garment recycling easier with revolutionary EcoCycle dissolvable thread. After a 30-minute industrial wash cycle at 95°C, threads dissolve, so it takes less time to disassemble garments.

MAXIMUM COLOUR, ZERO WATER WASTE

Now you can dye your yarns and threads without using any water – drastically cutting the impact on the climate and preserving this precious resource. Recycled polyester is mixed and melted with colour pigments. Then it's extruded through a spinneret and the resultant fibres are spun and texturised into yarn.

WHY CHOOSE DOPE DYE?

- 75% less water consumption
- 90% less chemical consumption
- Significantly improved energy consumption -30%
- CO² imprint reduced by 30%
- High level of colour fastness to sunlight

RAW MATERIAL TO COLOURED FIBRE

Recycled polyester is mixed and melted with colour pigments. The coloured polyester mass is squeezed through a nozzle.

1. Raw materials

Recycled Polyester
Colour pigment

2. Mixing Raw materials

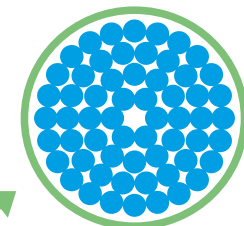
3. Melting Raw materials

4. Extruding Coloured fibres* through a nozzle



COLOURED FIBRE TO YARN

The extruded fibres are spun and texturised into yarn.



Coloured Yarn

OUR COMMITMENT TO CHANGE

As the world's largest sewing thread manufacturer, we are committed to minimising our environmental footprint across our supply chain.

We use more biodegradable products, less energy and lower CO² emissions. We source from sustainable forests and reuse water.



TRUSTED PARTNERS

We are dedicated partners, not simply suppliers. We work with you to make sure you use the best materials for the job, drive down your carbon footprint, and meet your sustainability goals.



PRECISE COLOUR MATCHING

For over 40 years, our industry expertise has ensured precision, accuracy and speed in every colour matching process – from design to development to the finished product.



COATS TECHNICAL SERVICES

With a proven ability to help you create exciting new products and innovative technical solutions, our global team of experts are always available for guidance and support.



READY TO START YOUR JOURNEY WITH COATS?

Email marketing@coats.com to learn more about
the line and request a sample kit.

For more information visit www.coats.com