

Coats® Lattice Lite Eco

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 in your design, to control thickness, flex, torsion and rigidity through the forefoot, mid-foot and rear-foot, creating footbeds and toe caps that enhance the wearer's experience.

COATS
lattice lite eco



SUSTAINABLE COMPOSITE
PREFORM TECHNOLOGY

WHY CHOOSE LATTICE LITE ECO?

- Fully optimised fibre paths for intelligent component performance that enhances different characteristics throughout the part, 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 which accelerates manufacturing processes
- Compared to more traditional composite operations that waste 30% or more material, Lattice Lite Eco reduces material waste to less than 5% using continuous fibre placement
- From the initial design to final product, we provide world class service for unique fibre technology

MAIN USES:

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



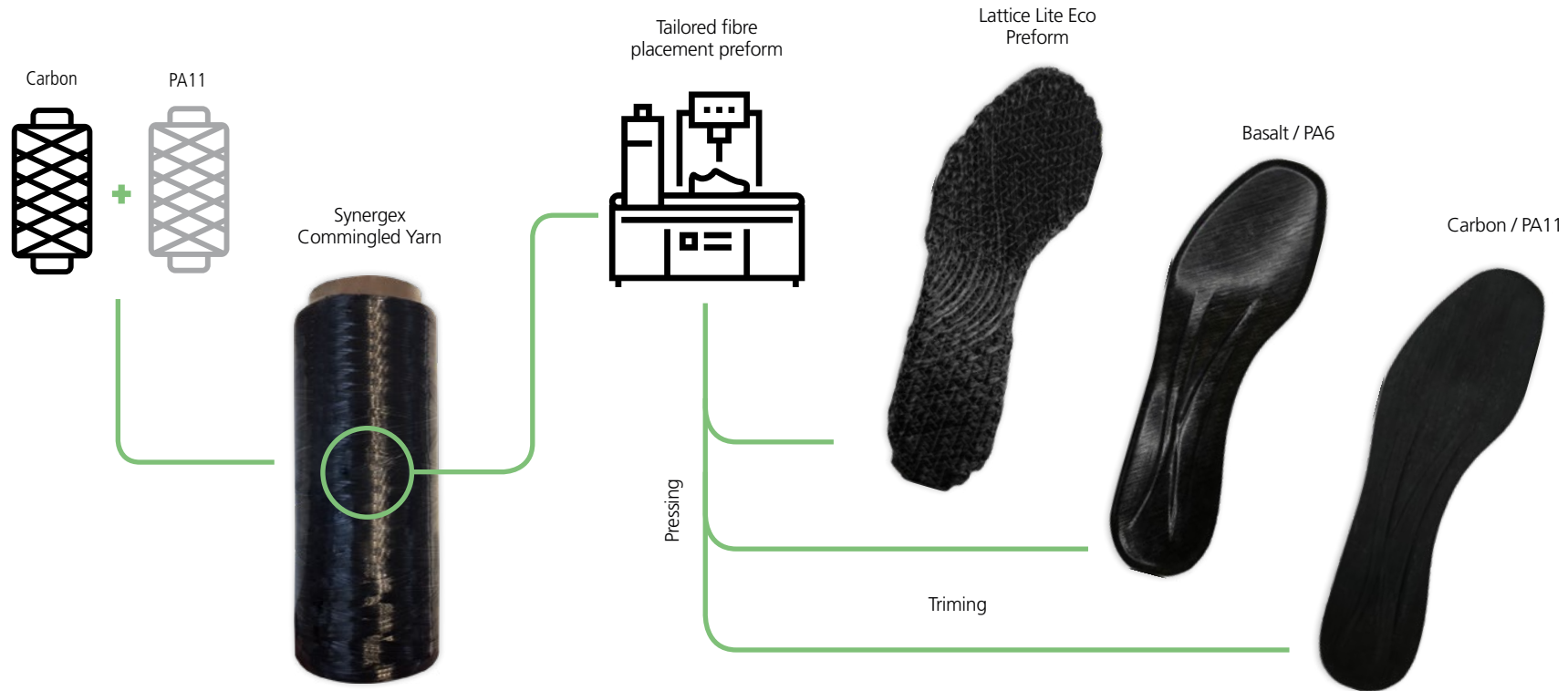
Coats Lattice Lite Eco

PRODUCT RANGE

There is no limited product range. We generate the finished parts for each customer design.

PROPERTIES

For Lattice Lite Eco as a final part, properties will depend on each customer's specific requirements for thickness, flex, torsion, rigidity etc.

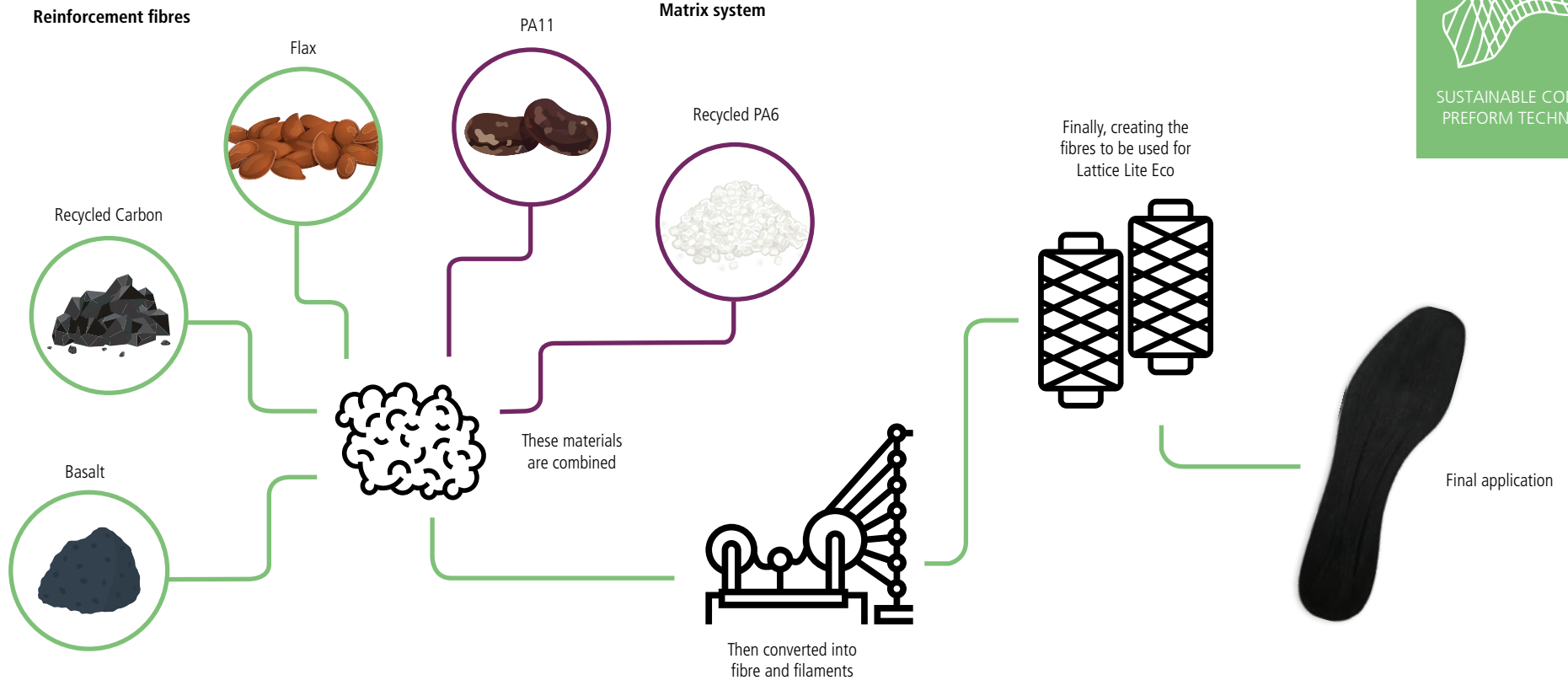


Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. 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. © Copyright reserved 2021



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AVAILABLE SUSTAINABLE MATERIALS



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Coats Lattice Lite Eco

EXPERT REAL WORLD SUPPORT

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



Training and Presentations

From yarn selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From thread 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/lattice-lite-eco

