

Coats® Lattice™ & Lattice Lite™

Coats Lattice and Lattice Lite technology perfectly complements our range of Synergex composite fibres by maximising performance and eliminating waste.

Lattice is an optimised continuous fibre laying technique to create preforms without cutting or chopping fibres. This allows customers to specify the exact position and direction of fibres for their application without compromising strength.

Lattice Lite is the final moulded composite product, providing advanced performance and precise match to customer requirements that are extremely difficult to achieve by other existing technologies.

COATS
lattice &
lattice lite



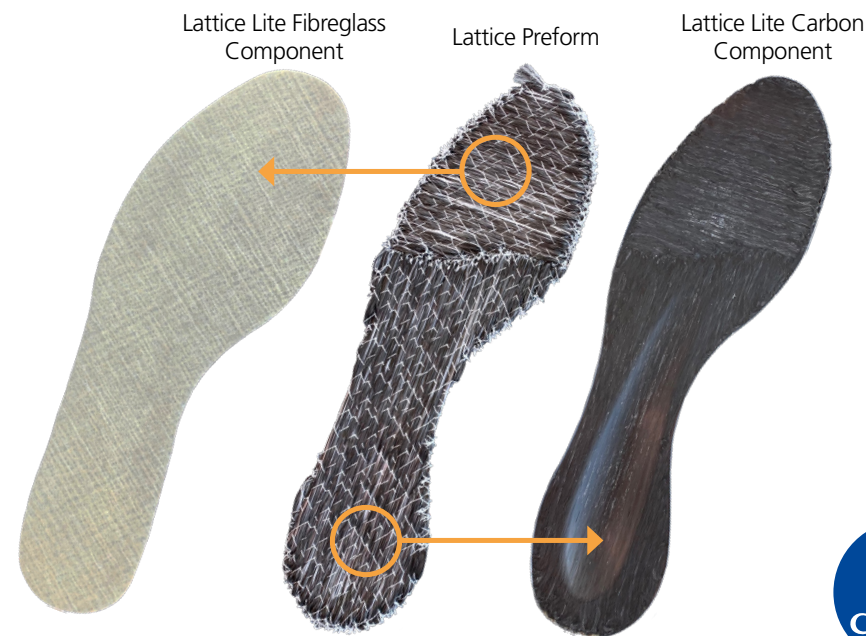
COMPOSITE
PREFORM
TECHNOLOGY

WHY CHOOSE LATTICE?

- 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 and Lattice Lite reduce 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 & Lattice Lite

PRODUCT RANGE

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

PROPERTIES

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



EXPERT REAL WORLD SUPPORT

The final cost of any product 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 product selection 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 product audits in pre-production to the latest technological bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit coats.com/lattice

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 for 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 2018