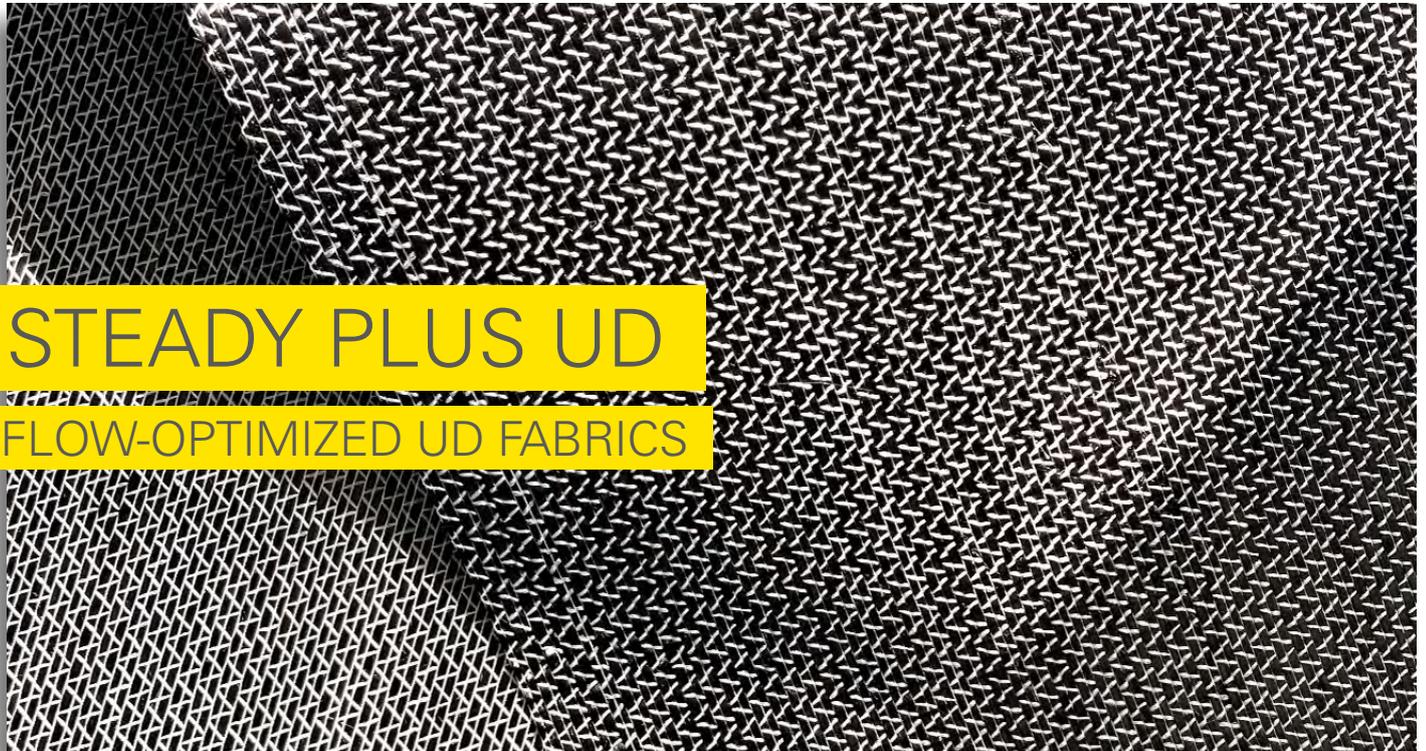




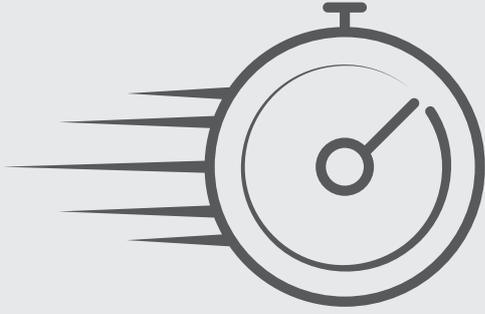
**SAERTEX®**



## STEADY PLUS UD FLOW-OPTIMIZED UD FABRICS

This unidirectional NCF is one of our specially developed material solutions for applications with high laminate thickness. Our flow-optimized fabric aims to avoid dry spots in the laminate and significantly improve component quality. Our product range is available in different configurations including glass and carbon fiber inputs – with maximum compressive strength, potential savings in resin consumption and very good drapability.

- 1 Application-optimized for thick laminate structures up to 70 mm**  
Efficient processing in all applications including thick laminates.
- 2 Optimized drapability allowing high design freedom**  
Easy to work with thanks to its textile architecture and its evenness.
- 3 Up to 1,6 x faster infusion**  
Reliable vacuum infusion process due to a quicker and improved fabric impregnation.
- 4 Reduction of resin consumption by up to 27%**  
Potential savings due to high fiber volume fraction (in the amount of 60%).
- 5 Tensile strength increased by 14%**  
Excellent mechanical properties in terms of tensile and compression strength compared to standard NCFs or woven rovings.
- 6 Easy handling for small tapes**  
The material offers high handling stability, making it ideal for the use in small widths without fiber displacement or distortion during lay-up.



## SAME LAMINATE. FASTER INFUSION.

Infusion time for 35 layers of UD 600 g/m<sup>2</sup> (~25 mm)

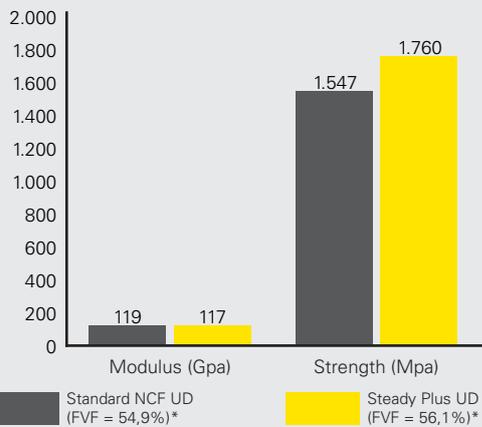
- Standard Carbon NCF UD: 25 minutes
- Carbon Steady Plus UD: 15 minutes → **40% quicker!**

### ENGINEERED FOR THICK LAMINATES



### Tensile 0°

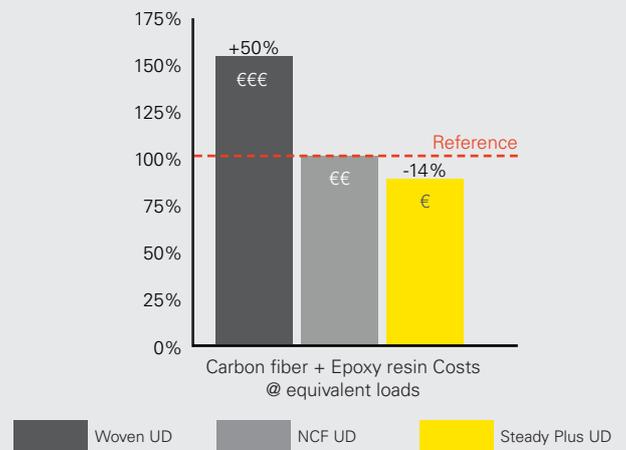
Increase your tensile strength with Steady Plus UD



\* HT Carbon input

### Part Cost Comparison

Save costs and material with Steady Plus UD



## TECHNICAL DATA

## STEADY PLUS UD

### Process

Infusion, RTM, RTM light, HLU

### Raw material input

Glass or Carbon with individual fiber inputs

### Weights\*

600 – 1.200 g/m<sup>2</sup>

### Widths

50 – 600 mm

\* individual weights on request



For more information about Steady Plus UD, please visit our website.

**REINFORCING YOUR IDEAS**