

Innovative and tailor-made: **SAERTEX** fabrics made of glass fibre, carbon and aramid, also known as NCFs (non-crimp fabrics), with more than 2,500 article designs. Depending on the fibre type, surface weight and angle combination, various mechanical characteristics can be achieved. **SAERTEX** products are individually configured for our customers and optimally adapted to a range of processes: infusion, RTM, pultrusion, prepreg, compression, etc.

The positions are specifically aligned to the ideal quantity and orientation in the loading direction // Angles of

between -22.5° and +22.5° are possible // 0° position is also possible.

aiso possible.

2 Stretched fibres for optimum mechanical strength

Absorption of the highest possible loads through stretched fibres // Reduced component weight while maintaining equal mechanical properties or even a higher component load with the same component weight.

| Individual drapability and outstanding permeability

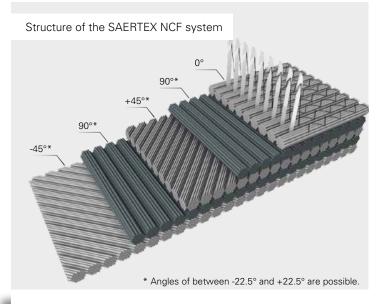
The drapability of the SAERTEX fabric is tailored to customer requirements and exhibits outstanding permeability // Optimisation and enhancement of the **SAERTEX** fabrics for infusion processes.

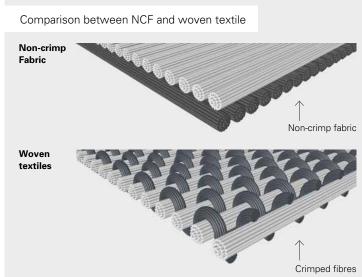
Cost savings due to fewer layers

Reduction of the manufacturing costs (fewer layers are required thanks to the higher area weight of the individual layers).

Resin compatibility

SAERTEX-fabrics are optionally compatible with various resin systems: EP / UP / VE / PUR / PP / PA and caprolactam.





BASIC CONSTRUCTIONS

UNIDIRECTIONAL FABRICS



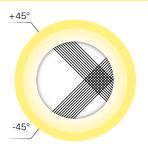
Construction: 0° or 90°

BIDIRECTIONAL FABRICS



Construction: 90° / 0°

BIAXIAL FABRICS



Construction: $\pm 45^{\circ}$

TAILOR-MADE

FABRICS

Facts & figures

Suitable methods:

Infusion, RTM, compression, winding, SMC, T-RTM, pultrusion, prepreg, hand laminating, etc.

Reinforcement materials:

Glass, carbon or aramid fibres, special fibres, hybrid fabrics

Max. width:

3810 mm, individual tapes on request

Resin compatibility:

Epoxy resins // Unsaturated polyester resin // Vinyl ester resin // Polyurethane // Polypropylene // Polyamide and caprolactam, etc.

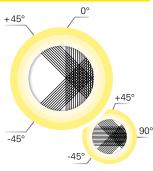
Certificates:

Type approval DNV GL

Max. surface weight:

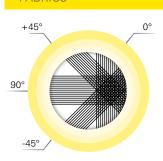
4000 g/m²

TRIAXIAL FABRICS



Construction: ±45°/0° or 90°/±45°

QUADRAXIAL FABRICS



Construction: +45°/90°/0°

Construction: individually available on request