SAERTEX®

SAERcore® // SAERcore® MAX
CLOSED MOULD REINFORCEMENTS

Ideal when resin injection has to be done particularly quickly: SAERcore. This patented **SAERTEX** product consists of one or two layers of chopped strand mat (CSM) and an intelligent flow aid. Our multiaxial technology is integrated in our SAERcore MAX, which uses additional multiaxial fabrics to reinforce the sandwich complex.

1 **Resin flow 400% faster***
The flow medium allows an extremely fast resin flow to be achieved. // Ideal for closed processes: RTM, RTM light, infusion etc.

2 **As much as 5x faster with the High-Flow version****
Maximum flow rate // Ideal for large parts when the time for resin infusion is limited or the resin is viscous; also available for SAERcore MAX.

3 **Can be flexibly used and individually designed**
Can be flexibly used for the application in question. // The product can be adapted or extended as required with a freely definable width and core. // Additional fleece for optimum surface finish. // Available in kits

4 **Can be combined with other SAERTEX solutions**
- **Reinforced:** SAERcore MAX allows for all-in-one mould setting in a single operation with improved mechanical properties thanks to addition of multiaxial fabrics.
- **Self-adhesive:** SAERcore and SAERcore MAX can be used in conjunction with SAERfix to reduce mould setting times even further and to avoid the use of spray adhesives.

5 **High quality**
SAERcore and its component parts are held to a high standard of quality // Fiber for CSM can be freely selected.

* **SAERcore / SAERcore MAX** compared to NCF, identical product thickness, RTM light process
** **SAERcore** High Flow compared to NCF, identical product thickness, RTM light process

DATE 02/15

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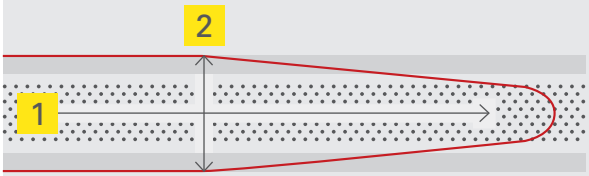
How it works

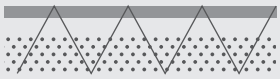
1. First the resin flows into the core material (the resin flow zone) – horizontal injection
2. Later, the resin impregnates the outer reinforcements – vertical injection



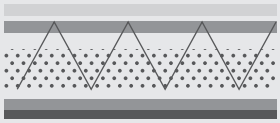
Can be individually designed and combined

Examples:

SAERcore

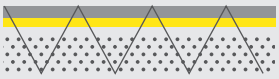


CSM + core

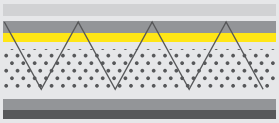


SAERfix + CSM + core + CSM + fleece

SAERcore MAX

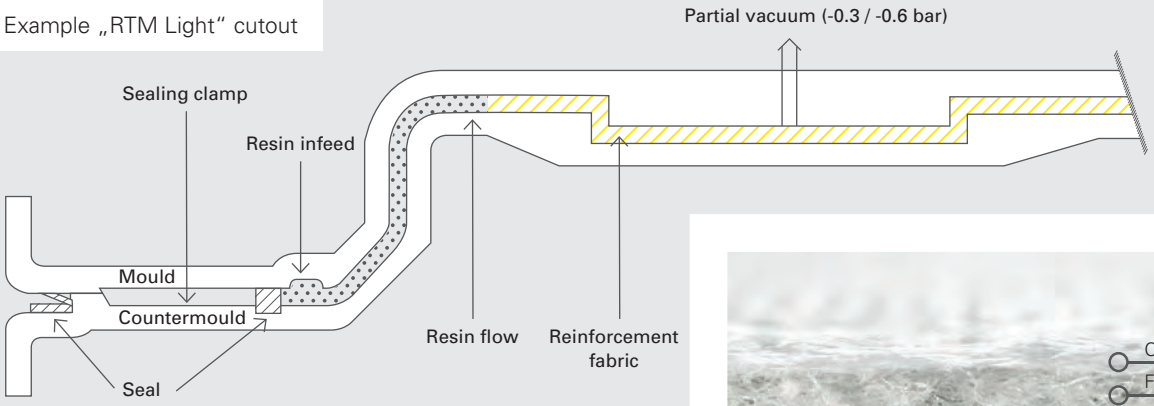


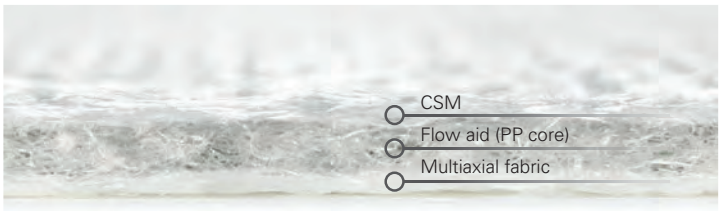
CSM + MAX fabric + core



SAERfix + CSM + MAX fabric + core + CSM + fleece

Example „RTM Light“ cutout





TECHNICAL DATA

	SAERcore	**SAERcore with High-Flow**	**SAERcore MAX**	**SAERcore MAX with High-Flow**
STANDARD				
Flow rate vs. NCF*[1]	+ 400%	+ 525%	+ 400%	+ 525%
Process	RTM, RTM light	RTM, RTM light	RTM, RTM light, vacuum infusion	RTM, RTM light, vacuum infusion
COMPONENTS				
CSM [g/m²]	150 – 1000	150 – 1000	150 – 900	150 – 900
Flow medium*[2]	PP13, PP18, PP20, PP25, PP50	PP13, PP18, PP20, PP25, PP50	PP13, PP18, PP20, PP25, PP50	PP13, PP18, PP20, PP25, PP50
Fixing	stitched / bonded	stitched / bonded	stitched / bonded	stitched / bonded
Multiaxial fabrics (UD, BIAX, BID, QX)	–	–	glass, carbon, aramid	glass, carbon, aramid
WIDTHS				
Standards	1250 mm, 2500 mm	1250 mm, 2500 mm	1250 mm	1250 mm
Individual tapes	10 – 3200 mm	10 – 3200 mm	150 – 2500 mm	150 – 2500 mm
EXTRAS				
Kits (from template or CAD file)	✔	✔	✔	✔
SAERfix	✔	✔	✔	✔
Surface fleece	✔	✔	✔	✔

*[1] The comparison applies to RTM light process // *[2] Polypropylenes: PP13 = 130 g / m², …

For applications and information – including the SAERfoam product video – please visit **www.saertex.com/saercore**

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