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 mats (CSM) and an intelligent flow media. Our multiaxial technology is integrated in our product SAERcore MAX, which reinforces the fabric complex while keeping same cavity thickness.

1 Very good drapability
Complex mould shapes can be easily draped while keeping perfect flow and surface finish properties. // Ideal for closed processes: RTM, RTM light, infusion etc.

2 High-Flow version with 25 % faster flow rate
Maximum flow rate. // Ideal for large parts when the time for resin transfer is limited or the resin is viscous; also available for SAERcore MAX.

3 Our flexibility for your design
Can be flexibly used for any application. // 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.
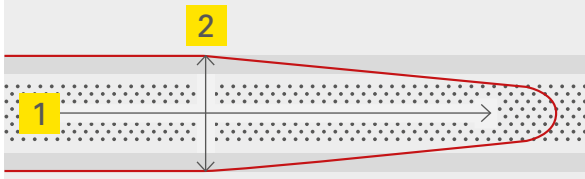- **Self-adhesive:** SAERcore and SAERcore MAX can be used in conjunction with SAERfix to reduce draping times even further and to avoid the use of spray adhesives.

5 High quality
SAERcore and its characteristic components are held to the highest level material and manufacturing quality. // Alternative components such as CSM may be freely specified by the customer.

SAERcore®: Registered Trademark (more information at: www.saertex.com)
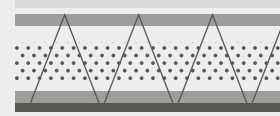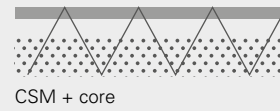
REINFORCING YOUR IDEAS

How it works

1 First the resin flows into the core material (the resin flow zone) – horizontal injection

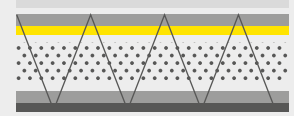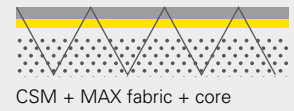**2** Later, the resin impregnates the outer reinforcements – vertical injection

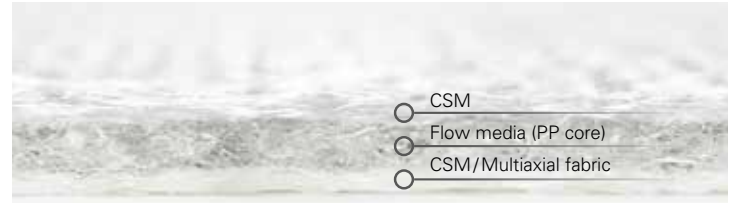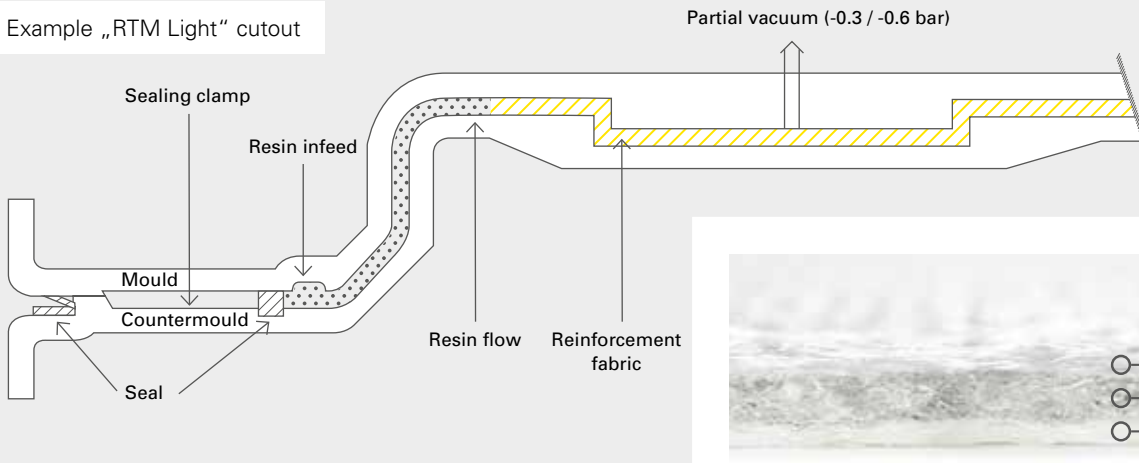## Can be individually designed and combined

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

Partial vacuum (-0.3 / -0.6 bar)

Sealing clamp
Resin infeed
Mould
Countermould
Seal
Resin flow
Reinforcement fabric

CSM
Flow media (PP core)
CSM / Multiaxial fabric

TECHNICAL DATA	SAERcore	SAERcore with High-Flow	SAERcore MAX	SAERcore MAX with High-Flow
Process	RTM, RTM light compression / cold mould process	RTM, RTM light compression / cold mould process vacuum infusion	RTM, RTM light, compression / cold mould process	RTM, RTM light, compression / cold mould process vacuum infusion
COMPONENTS				
CSM per layer [g/m²]	150 – 1000	150 – 1000	150 – 900	150 – 900
Flow medium* non woven or knitted	PP13, PP18, PP20, PP25	PP25HF, KP3, KP5	PP13, PP18, PP20, PP25	PP25HF, KP3, KP5
Assembly	stitched	stitched	stitched	stitched
Multiaxial fabrics (UD, BX, BD, TX, QX)	–	–	glass, carbon, aramid	glass, carbon, aramid
WIDTHS				
Standards	1250 mm, 2500 mm	1250 mm, 2500 mm	1250 mm	1250 mm
Individual tapes	150 – 3200 mm	150 – 3200 mm	150 – 2500 mm	150 – 2500 mm
EXTRAS				
Kits (from template or CAD file)	✔	✔	✔	✔
SAERfix	✔	✔	✔	✔
Surface fleece	✔	✔	✔	✔

*Polypropylene: PP13 = 130 g / m², ...

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

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