



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.

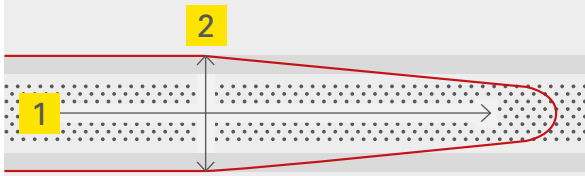
- **Self-adhesive:** SAERcore and SAERcore MAX can be used in conjunction with SAERfix to reduce draping times even further and to avoid the use of spray adhesives.

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.

How it works

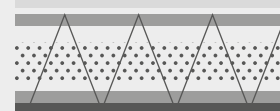
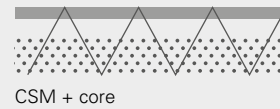
- 1 First the resin flows into the core material (the resin flow zone) – horizontal injection
- 2 Later, the resin impregnates the outer reinforcements – vertical injection



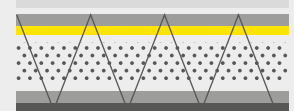
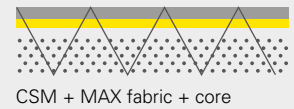
Can be individually designed and combined

Examples:

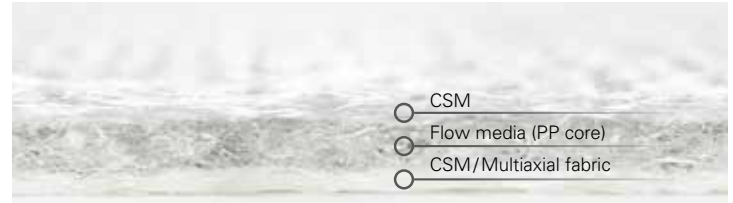
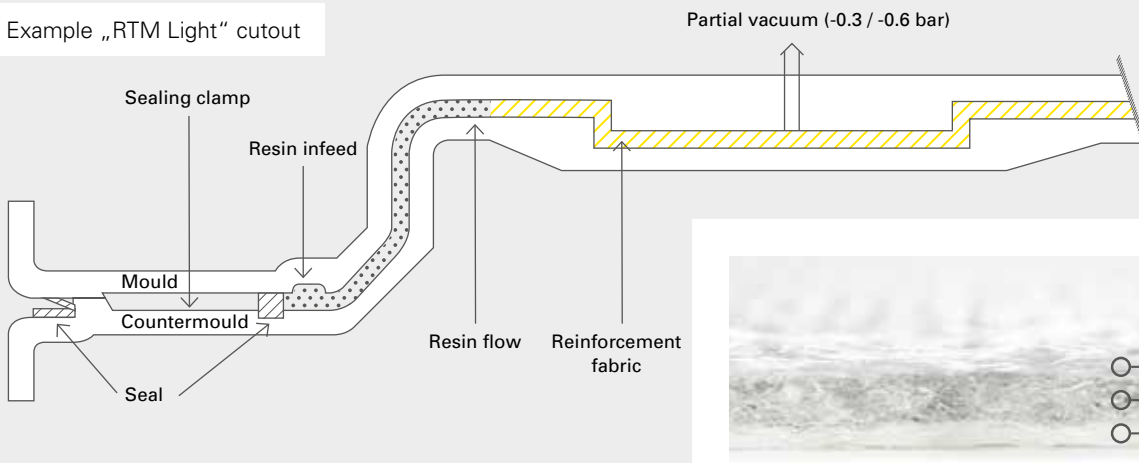
SAERcore



SAERcore MAX



Example „RTM Light“ cutout



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 /
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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

Multi-axial fabrics (UD, BX, BD, TX, QX)

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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

REINFORCING YOUR IDEAS