

# SAERcore

RTM, RTM LIGHT, LOW PRESSURE COMPRESSION,  
VACUUM INFUSION



*"good for optimal surfaces"  
"cost-effective"*



Photo © Jean-Marie UOT / DUFOR

05 2010

## WHAT IT IS

Product line consisting of sandwich complexes with any desired core and cover materials for mass production of a wide variety of components.

## HOW IT IS MADE UP

One or two layers of CSM stitched bonded or glued against a flow media

<b>CSM</b>	(g/sqm)	150	300	450	600	=> up to 1000
<b>Flow media</b>	Polypropylene (PP13=130 g/m <sup>2</sup> )	PP13	PP18	PP20	PP25	=> up to 500 g/m <sup>2</sup>
	E-Glass	CFM 375	CFM450	CFM600		

## AVAILABLE WIDTHS

- Tapes from 50 to 3000 mm
- Standard rolls 1250 - 2500 mm

Can be supplied in ready-made kits  
(from customer templates or CAD draw)

## EXTRAS

- Surface finish veils are available for both faces
- High Flow PP core designed for filled resins
- High drape version for small details on the mold
- SAERfix® self-adhesive surface for UP/VE and EP resins

## APPLICATIONS

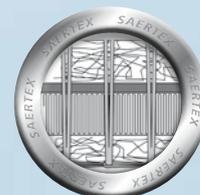
- Automotive industry
- Boat-building (superstructure, hull)
- Rail vehicle building (wall floors)
- Agricultural machines (deck of cabin, roof, wing)
- Sanitary facilities (bathtubs, shower enclosures, doors)

## ADVANTAGES

- Optimised resin flow, controlled resin usage
- High drapeability for a perfect surface finish
- Excellent behaviour in vacuum process
- Optimal for injection processes such as RTM light
- Consequently high component quality

## OPINIONS FROM THE FIELD

- "easy to handle, light, highly drapable"
- "high strength-to-weight ratio"
- "cost-effective"
- "optimal surfaces reachable"



# SAERcore MAX



RTM, RTM LIGHT, LOW PRESSURE COMPRESSION  
VACUUM INFUSION

## WHAT IT IS

Patented product line consisting of a sandwich complex with any desired core and accurate reinforcement of existing SAERcore.

Multiaxial technology is integrated in the complex to reach structural application for mass production and wide variety of components.

## HOW IT IS MADE UP

SAERcore MAX is a wide range of reinforcement that allow to manufacture structural parts with RTM.

- Regular SAERcore construction + additional Multiaxial fabrics

Available materials	Construction			
Glass	CSM			
	300	450	600	900
Glass Aramid Carbon	Fabric UD / BX / BD / TX / AX from 150 to 2 500 g			
Flow media	Core			
	PP13 / PP18 / PP25			

- Other weights and construction on request



## AVAILABLE WIDTHS

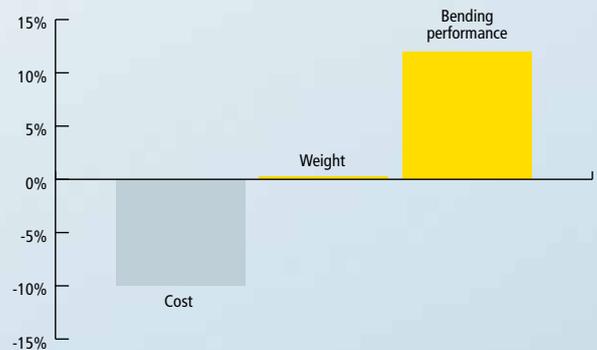
- Tapes: from 150 to 2500 mm
- Standard: 1250 mm

Can be supplied in ready-made kits  
(from customer templates or CAD draw)

## ADVANTAGES

- Precise reinforcement direction or equilibrated strength
- Increased fiber fraction in the same cavity thickness
- All-in-one product to drape
- High flow speeds
- Consequently high component quality (surface and strength)

## SAERcore MAX BENEFITS



Average comparison at equivalent weight between:

- SAERcore 450/PP18 + BX 440 => separate draping
- SAERcore MAX 450/BX440/PP18 => all in one product

SAERTEX worldwide



[www.saertex.com](http://www.saertex.com)

SAERTEX Germany  
E-Mail: [info@saertex.com](mailto:info@saertex.com)

SAERTEX France  
E-Mail: [info.france@saertex.com](mailto:info.france@saertex.com)

SAERTEX USA  
E-Mail: [info.usa@saertex.com](mailto:info.usa@saertex.com)

SAERTEX India  
E-Mail: [info.india@saertex.com](mailto:info.india@saertex.com)

SAERTEX Stade, Germany  
E-Mail: [info.stade@saertex.com](mailto:info.stade@saertex.com)

SAERTEX Portugal  
E-Mail: [info.portugal@saertex.com](mailto:info.portugal@saertex.com)

SAERTEX South Africa  
E-Mail: [info.rsa@saertex.com](mailto:info.rsa@saertex.com)

SAERTEX China  
E-Mail: [info.china@saertex.com](mailto:info.china@saertex.com)