

# ROVICORE™

Over the last 20 years, since the first **ROVICORE™** product was created, CHOMARAT has perfected its reinforcements. Today, the breadth of the **ROVICORE™** line lets us meet virtually all of our clients' needs.

## SUMMARY OF THE LINE'S CHARACTERISTICS

	ROVICORE™ S-ASPECT	ROVICORE™ SINGLE SIDE	ROVICORE™ C2 CORE	COREGLASS™	ROVICORE™ PLY	ROVICORE™ ADHESIVE
Conformability	✓	✓	✓	✓		✓
Permeability	✓	✓	✓	✓	✓	✓
Aspect	✓					
Sandwich Construction		✓				
Small Parts			✓			
Chemical Resistance	✓					
Improved Flexing Properties				✓	✓	
Structural Parts					✓	
Simplified Draping						✓

## DESCRIPTION

Reinforcement made with a synthetic non-woven core and chopped glass fibers mechanically stitched together.

## APPLICATIONS / MARKETS

- Marine
- Transportation
- Industrial Goods
- Wind Energy Components

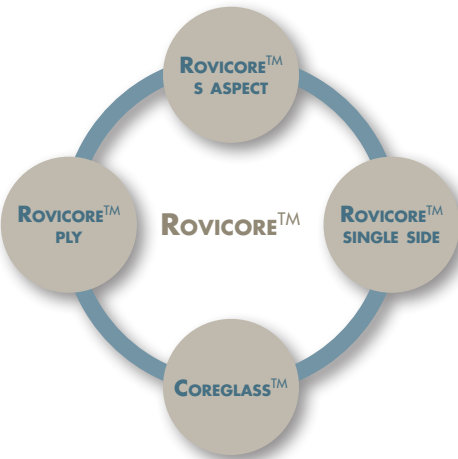


## ROVICORE™ LINE

**ROVICORE™** can be used for all the closed mold process needs and helps improve productivity and quality. It contributes to your part's success.

Because of its versatility, the **ROVICORE™ LINE** can be used to make a wide array of composite parts:

- With sandwich areas
  - Single side **ROVICORE™**.
- When a good surface aspect is needed
  - **ROVICORE™ S ASPECT**.
- When high mechanical performance is needed
  - **ROVICORE™ PLY**
  - **COREGLASS™**.



# CHOMARAT

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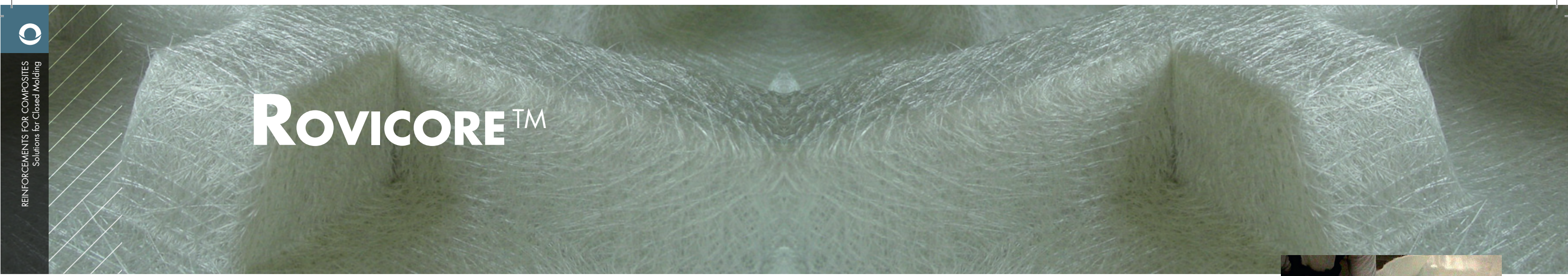
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Important: All properties are average values given for indication. Values are not intended for use as a specification. Information given in this document is based on the present knowledge of the technical properties of our product. All information is believed to be accurate but is given without acceptance of liability. Users should make their own assessment of the suitability of any product for the purposes required. Information contained in the present document refers to the product specifically indicated and cannot be valid in combination with other products. All sales are subject to our standard terms of sale which include limitations on liability and other important terms.

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# ROVICORE™

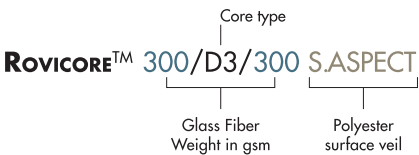
## RANGE

CORE	C2	100 gsm
	D3	180 gsm
	B5	250 gsm
CSM	(1 or 2 layers of 50 mm cut glass)	
		From 150 to 900 gsm
Optional	Fabric NCF (non crimp Fabric) Polyester veil Adhesive resin	
Width	Standard: 125 cm Custom width, upon special request	

## THICKNESS

Depending on the construction methods chosen, **ROVICORE™** allows for the production of parts from 2 to 8 mm thick.  
Refer to the **ROVICORE™** Table of Use to select your product.

## NOMENCLATURE



## FAQ

- 1. Is the ROVICORE™ core sold by itself?**
  - No, the minimum construction is the core + CSM.
- 2. Can ROVICORE™ be used with all resins?**
  - Most standard resins are compatible (Polyester, DCPD, Vinylester).
- 3. Can ROVICORE™ be used in infusion?**
  - Yes, but we recommend the use of a **ROVI-FLOW™** specifically adapted to this process.
- 4. Is it possible to use many layers in the same assembly?**
  - Yes, if the finished part is sufficiently thick.
- 5. What is the impact of the core's position on the reinforcement?**
  - The position of the synthetic core allows for a uniform distribution of the resin
  - In the case of **ROVICORE™ PLY**, the position of the core directly behind the mat helps improve the surface aspect by screening the multiaxial's marking.
- 6. Is it possible to use a single adhesive on the entire ROVICORE™, ROVI-FLOW™ and ROVICORE™ PLY line?**
  - Yes, on the entire **ROVICORE™**, **ROVI-FLOW™** and **ROVICORE™ PLY** line.
- 7. Is it possible to add an aspect veil to the entire ROVICORE™ line?**
  - Yes, on the entire **ROVICORE™**, **ROVI-FLOW™** and **ROVICORE™ PLY** line.

## ADVANTAGES

- Easy Manipulation  
**ROVICORE™** can be easily formed, in angles and more complex shapes. This allows for time and labor savings.
- Adaptable Thickness  
**ROVICORE™**'s different constructions and weights allow for the construction of single-layer parts, wich saves time and labor.
- Core Resilience and Compressibility  
This allows **ROVICORE™** to adapt to the different thicknesses of composite parts.  
Different thicknesses ; just one **ROVICORE™**.
- Good surface aspect  
The homogeneous finish of the cut glass fiber helps improve the surface aspect of finished parts.
- High Permeability of the Synthetic Core  
The high permeability of its synthetic core allows the resin to flow throughout the unit.  
**ROVICORE™** is thus perfectly adapted to low-pressure injection processes, while ensuring a rapid flow.
- Lack of Chemical Binder  
The lack of a chemical binder in the mat enables rapid wet out of the glass fibers and a good impregnation of the reinforcement.
- Adaptability  
The number of possible combinaisons of the mat and the core satisfy most mechanical and thickness requirements for molded parts.

