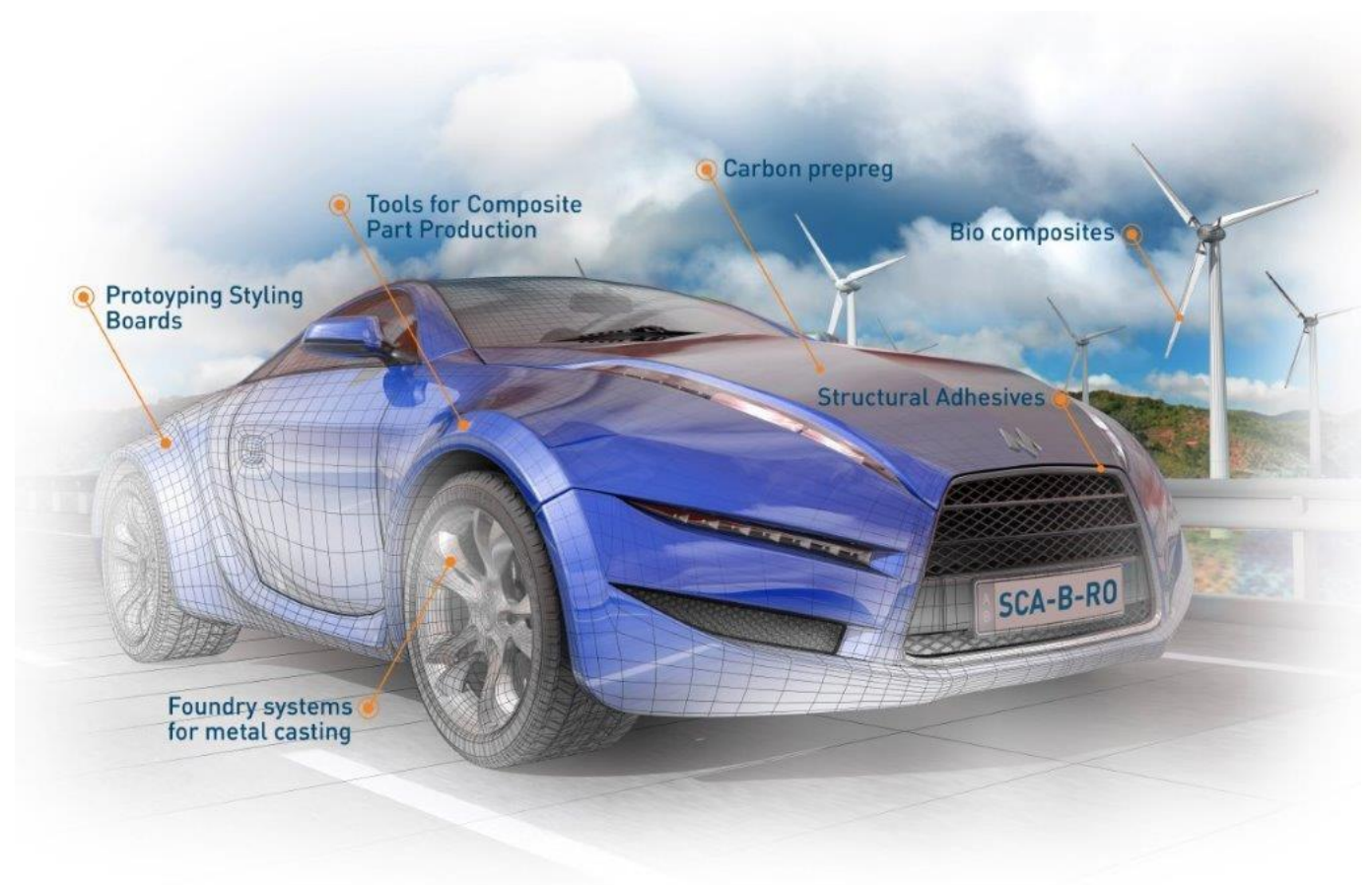


TECHNICAL DATASHEET

Enka[®] Channel 100mm



MALLENBOUW | COMPOSITEN | LIJMEN

COMPOSITES

Enka[®]Channel 100

Vacuum Infusion Consumable

Description	Enka-Channel 100 is a flexible composite in 0.1 m wide strips. It consists of a three-dimensional spacer matting, produced from monofilaments, pre-formed in a	zig-zag configuration and wrapped in a thermally bonded nonwoven sleeve. Enka-Channel 100 is used as a flow medium for polyester or epoxy	resins in reinforced plastics, made by vacuum infusion or resin transfer moulding processes. Its high flow capacity permits its use as feeder.
Known Applications	<ul style="list-style-type: none"> • Wind Blades • Ship Hulls 	<ul style="list-style-type: none"> • Ship Decks • Bridges 	<ul style="list-style-type: none"> • Storage tanks • Pipe lines
Features and Benefits	<ul style="list-style-type: none"> • Very fast resin flow • Easy to cut and install • Very easy to fix in the mold 	<ul style="list-style-type: none"> • Stays flat • Leaves less of an imprint as opposed to spiral wrap 	<ul style="list-style-type: none"> • Chemical support • High compression resistant

Technical Data

Properties	Property	Value	Test Method
	Width	100 mm	
	Weight	50 g/m ¹	EN ISO 9864
	Thickness (2kPa)	4 mm	EN ISO 9863-1
	Free flowing space	> 75 %	
	Polyester resins	Excellent	
	Epoxy resins	Excellent	
	Working temperature	-20 °C to +60 °C no reduction in flexibility or strength	
	Melting point	160 °C	
	Longitudinal strength	1.5 kN/m	EN ISO 10319

Values are MARV Minimum Average Roll Value

Roll dimension	ID	Width	Roll length	Roll diameter	Pallet	Pallet weight
	EnkaChannel 100	0.1 m	100 m	0.70	36 rolls	210 kg

Quality The Quality Management System of Low & Bonar has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

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