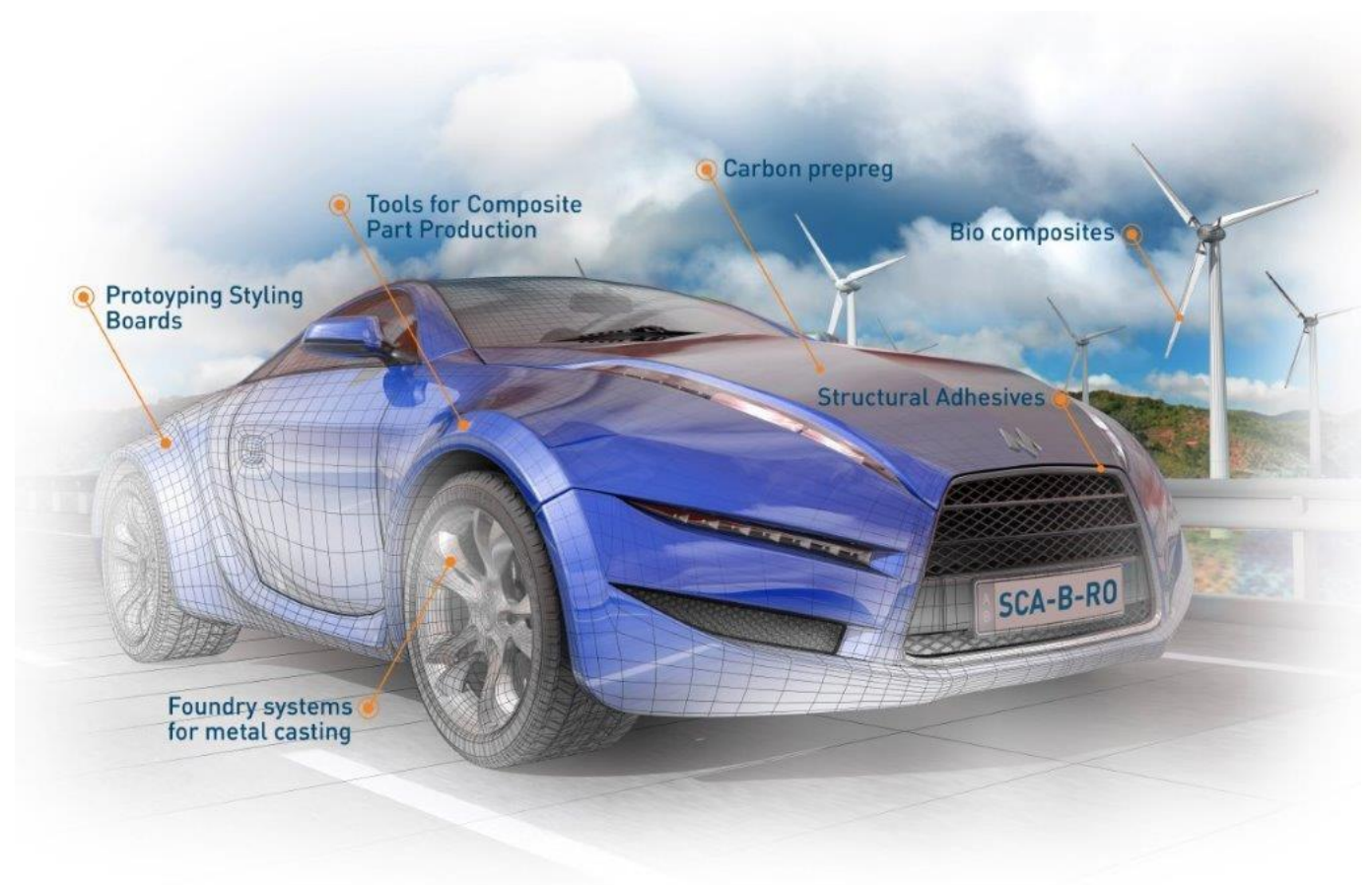


# TECHNICAL DATASHEET

## Enka<sup>®</sup> Channel 50mm



MALLENBOUW | COMPOSITEN | LIJMEN

## COMPOSITES

# Enka<sup>®</sup>Channel 50

## Vacuum Infusion Consumable

<b>Description</b>	Enka-Channel 50 is a flexible composite in 0.05 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 50 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.
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<b>Known Applications</b>	<ul style="list-style-type: none"> <li>• Wind Blades</li> <li>• Ship Hulls</li> </ul>	<ul style="list-style-type: none"> <li>• Ship Decks</li> <li>• Bridges</li> </ul>	<ul style="list-style-type: none"> <li>• Storage tanks</li> <li>• Pipe lines</li> </ul>
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<b>Features and Benefits</b>	<ul style="list-style-type: none"> <li>• Very fast resin flow</li> <li>• Easy to cut and install</li> <li>• Very easy to fix in the mold</li> </ul>	<ul style="list-style-type: none"> <li>• Stays flat</li> <li>• Leaves less of an imprint as opposed to spiral wrap</li> </ul>	<ul style="list-style-type: none"> <li>• Chemical support</li> <li>• High compression resistant</li> </ul>
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### Technical Data

Properties	Property	Value	Test Method
	Width	50 mm	
	Weight	25 g/m <sup>1</sup>	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	0.7 kN/m	EN ISO 10319

Values are MARV Minimum Average Roll Value

Roll dimension	ID	Width	Roll length	Roll diameter	Pallet	Pallet weight
	EnkaChannel 50	0.05 m	100 m	0.70	72 rolls	215 kg

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