

# Technical Data Sheet

## ipox<sup>®</sup> MS 82 system

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### PROPERTIES

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- three components epoxy foam system
- fast system
- thixotropic
- Base:
  - modified bisphenol A epoxy resin
  - modified polyaminoamide
- Curing from +15 °C temperature

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### TYPICAL APPLICATIONS

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- ipox MS 82 Comp. A+B+C can be apply for structural elements of vehicle's bodies for sport equipment to reducing the weight of the goods and wide range of application in the composite industry.
- Can combined with glass-, carbon fibres
- For interior

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### TECHNICAL DATA\*

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	PARAMETER	UNIT	FIGURE	METHOD
Component A	Epoxy-Equivalent Weight	g/equiv.	182-192	ipox 001
	Epoxy value	equiv./100g	0,52-0,55	ipox 001
	Viscosity** [25 °C]	mPa·s	thixotropic	ipox 010
Component B	HEW	g/equiv.	60	
	Amine value	mg KOH/g	730-770	ipox 003
	Viscosity** [25 °C]	mPa·s	3500-4500	ipox 010
	Colour	Gardner	max. 8	EN 1557
Component C	Viscosity** [25 °C]	mPa·s	15-25	ipox 010

\* typical data; please ask for the specifications

\*\* Brookfield R/S-CPS cone/plate rheometer

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## TECHNICAL DATAS\*

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	PARAMETER	UNIT	FIGURE	METHOD
System	Mixing ratio (A+B)	g/100 g resin	31	
	Foaming agent	% (w/w)	2-4	
	Pot life**	min.	30	ipox 024

\* typical data; please ask for the specifications

\*\* 100 g, 23 °C, GELNORM Geltimer-TC

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## DIRECTION FOR USE

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Mix together the two components (A+B) ipox MS 82. Pour Part B into Part A and mix with a drill fitted with a stirrer until the resin is completely homogeneous. The mix ratio: 100 parts by weight of A and 31 part by weight of B. After that add the part C in the mixture and mix until the system is completely homogeneous. The foaming reaction is starting after the mixing immediately.

For high mechanical characteristic postcuring (min. 6 hours at 70 °C) is recommended.

For the good quality of the coat the suitable and equable temperature and humidity are very important.

The handling and processing must be performed by appropriately trained and professional users.

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## STORAGE

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ipox MS 82 component A, B and C is at least 12 months stable in the original can.

Keep cool and dry.

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## PHYSIOLOGY AND LABORATORY SAFETY REGULATIONS

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While dealing with epoxy resins and curing agents, please consider the safety precautions mentioned in the risk and safety phrases. Avoid pollution of the unprotected skin - wash off with warm water and soap, if necessary. Wear protective clothing and use barrier cream before starting your work, please!

Always ensure that all health and safety procedures are in accordance with local and national Government requirements.

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