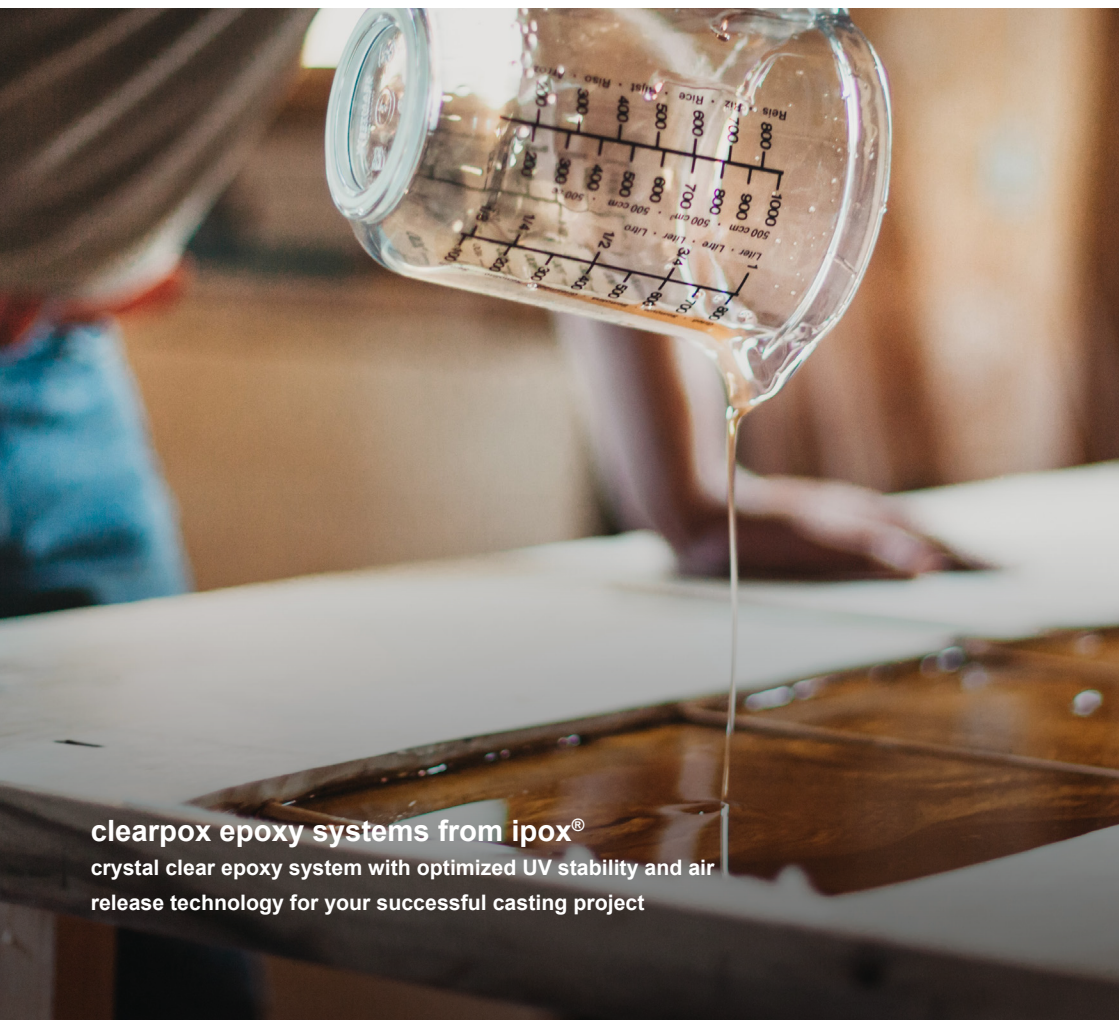


Technical Datasheet clearpox one



clearpox epoxy systems from ipox[®]
crystal clear epoxy system with optimized UV stability and air
release technology for your successful casting project

Technical Data Sheet

clearpox one

PROPERTIES

- epoxy system for casting applications
- very long application time
- low heat development
- very low yellowing tendency
- Alkylphenol-free
- VOC-free
- outstanding air release properties
- optimized UV stability

TYPICAL APPLICATION

- highly transparent casting system for a very high coating thickness in one step
- for artistic and decorative applications
- river table

TECHNICAL DATA

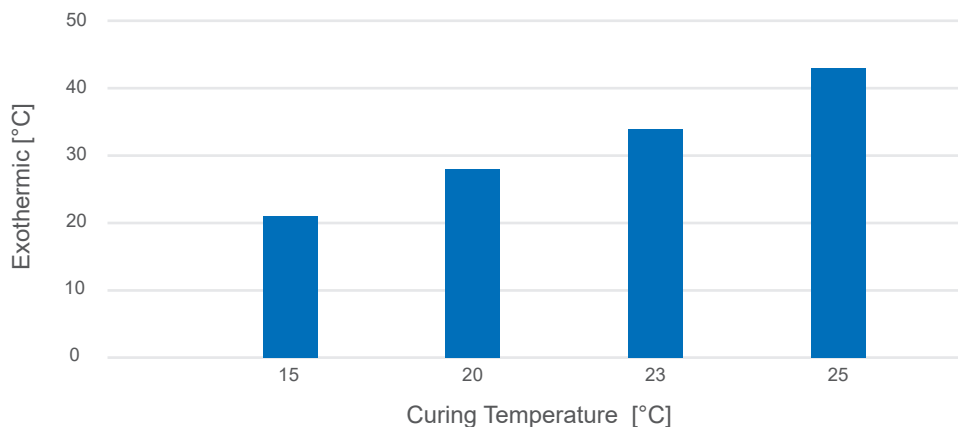
clearpox one resin	PARAMETER	UNIT	VALUE	METHOD
	viscosity [25 °C, P/K]	mPa·s	app. 600	ipox 010*
	color		transparent	
clearpox one hardener	PARAMETER	UNIT	VALUE	METHOD
	viscosity [25 °C, P/K]	mPa·s	app. 80	ipox 010*
	color	Hazen	app. 10	EN1557
clearpox one system **	PARAMETER	UNIT	VALUE	METHOD
	mix.-viscosity [25 °C, P/K]	mPa·s	app. 300	ipox 10*
	processing time***	hours	>4	
	mixing ratio	parts by weight	100 : 45-50	
		parts by volume	100 : 50	

* Brookfield R/S-CPS plate-cone rheometer

** clearpox one resin and hardener

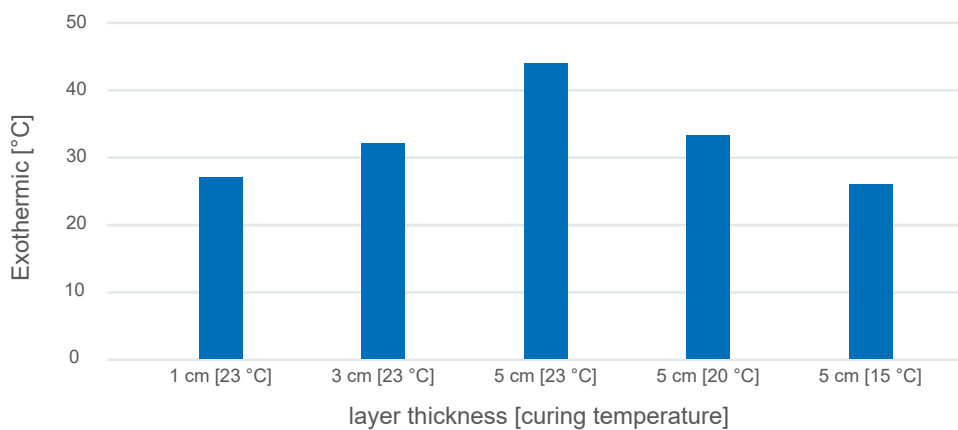
*** characteristic value for 23 °C

HEAT DEVELOPEMENT DURING CURING AT DIFFERENT CURING TEMPERATURES



Plastic cup with 500 g mixture of clearpox one
Layer thickness: 9 cm
Diameter: 8,5 cm
Mixing ratio (resin : hardener): 100 : 45 ppw

HEAT DEVELOPEMENT DURING CURING COMPARED TO THE LAYER THICKNESS



Mixing ratio (resin : hardener): 100 : 45 ppw
Plastic mold: dimensions – 34 cm x 12 cm
1 cm = 400 g
3 cm = 1200 g
5 cm = 2000 g

STORAGE CONDITIONS

clearpox one is at least 12 months stable in the original can.

Storage at higher temperatures and exposure to sunlight will increase the color number. As the hardener is reacting with humidity and carbon dioxide, already opened containers need to be closed with the original lid as soon as possible. For this reason, the hardener can also discolour during storage.

After storage at low temperatures, crystallization of clearpox one resin may occur. This can easily be removed by warming up for a sufficient time to a maximum temperature of 70°C.

Allow to cool to requested processing temperature before use.

PHYSIOLOGY

During processing the Epoxy Resin System, all precautionary measures, that apply to handling epoxy resins and hardener must be strictly adhered to. We strongly refer to the relevant Material Safety Data Sheet.

While dealing with epoxy resins and curing agents, please consider the safety precautions mentioned in the risk and safety phrases.

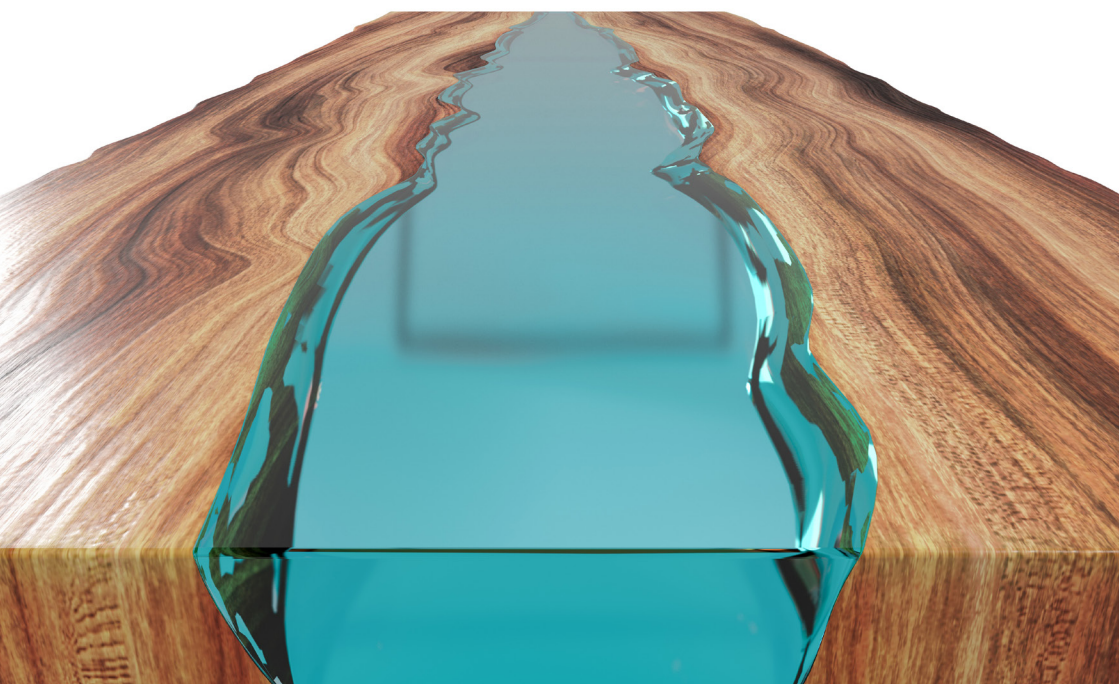
Wear protective clothing and use barrier cream before starting your work, please! Avoid pollution of the unprotected skin - wash off with warm water and soap, if necessary.

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

PACKAGING

QUANTITY	RESIN	HARDENER	PACKAGING
30 kg	2x10 kg	1x10 kg	plastic can
150 kg	2x50 kg	1x50 kg	steel drum
300 kg	1x200 kg	2x50 kg	steel drum
600 kg	2x200 kg	1x200 kg	steel drum

clearpox one is also available on full pallets with 4x200 kg or in IBC with 1000 kg each.





Customized Epoxy

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