ROSNER
professional wood coatings

2K EP Gießharz

Technical information

Characteristics: **2K EP Gießharz** is a solvent-free epoxy resign with a crystal-clear, transparent and air bubble-free surface**. 2K EP Gießharz** forms a hard and polishable surface with very good UV resistance.
A perfect result can only be achieved by carrying out the following instructions.

Area of application: For decorative woodwork, table (e.g. rivertables), model, boat and mould making, casting small parts such as jewellery, shells, and much more.

Substrates: Dry, clean, resin-free wood and, if stained, perfectly dry and clean surfaces. The substrate must be load-bearing.

Hardener: **2K EP Härter langsam**

Mixing ratio:
By weight: 2,2 Parts **2K EP Gießharz**: 1 Part **2K EP Härter langsam**
By volume: 2 Parts **2K EP Gießharz**: 1 Part **2K EP Härter langsam**

Mix 2K EP Gießharz resin with **2K EP Härter** slowly and thoroughly for min. 3 minutes until a homogeneous mixture is achieved. Then transfer to a clean container and mix again carefully for at least 3 minutes. Make sure that not too many air bubbles are mixed in.

Pot life: Approx. 60-90 minutes at 20°C/65% relative air humidity
Attention: Higher material and ambient temperatures reduce the pot life.

Processing: **2K EP Gießharz** resin is processed by casting.

The max. layer thickness is 5cm with one working step, otherwise blistering, yellowing, cracking or deformation may occur.

To prevent the absorbency of poured materials and to exclude air bubbles from the substrate, always prime with the casting resin. The primer must be cured before the first casting process. All cracks, porous and uneven areas in the wood must be filled with resin first. After curing, the entire wood surface is sealed with the resin.
When pouring in wood sections, we recommend removing the bark completely before priming, as it is almost impossible to fill the air pockets within the bark without bubbles by priming. Furthermore, without removing the bark, static
static weaknesses can occur (e.g. when two sections are "glued together" by epoxy resin) and the component can break apart there.
A material shrinkage of 1-1.5% is system-related and cannot be excluded.
Air bubbles in the resin can be removed with a hair dryer or a heat gun. Important: Only just as much as necessary or only briefly wave the hot air over it, because otherwise the resin could be damaged.
For a perfectly smooth surface, a final mechanical treatment and, if necessary, a lacquer finish is necessary. The resin surface should be sanded well or even milled or sanded down to the wood to obtain a completely flat surface.

Please turn around!

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Bubbles often form on the surface after potting. These are best removed shortly after potting by briefly blowing hot air from a hot air blower or hair dryer.

The application temperature should not fall below +10°C; this also applies to the substrate, otherwise sufficient drying can no longer be guaranteed.

Dilution: **2K EP Gießharz** is ready for use after the addition of hardener.

Spreading rate: --

Drying time: Depending on the type of processing and the application quantity at room temperature (20°C/65% relative humidity):
- Final hardness after approx. 1-3 days.

The freshly poured surface should stand level and not be moved during the curing process for the first 24 hours.

Gloss level: glossy

Coatings: Can be overpainted with **Rosner 2K-PUR clearcoats** or **Rosner NaturExpert products.**

Cleaning of tools: **Waschlöser Nr. 52** and **PUG P**insel- **u**. **G**erätereiniger.

Storage: **2K EP Gießharz** can be stored for at least 1 year in the original sealed container.

Please consider: The product and the recommendations in this technical data sheet correspond to today's state of the art. Our oral and written application recommendations, that are based on years of experience and provided to the best of knowledge, are non-committal and do not establish a contractual relationship and secondary obligation of the sales contract. They do not release the user from his obligation to verify on his own responsibility the existing substrate and the suitability of our products for the intended purpose. In case of doubt, suitability and spreading rate are to be tested by creating a sample. If our products are combined or inter mixed with third-party products, we cannot guarantee a perfect surface finish. Our general terms and conditions apply.

This technical data sheet replaces all previous versions.

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