

## HP-PUR-PLUS

2K PUR topcoat for coatings of boat and sport equipment, ponds and pools, industry etc.

High-quality two-component 2K PUR topcoat (containing solvent) for weatherproof coatings with intense gloss.

### properties and field of application:

- Deliverable in nearly all RAL colours
- forms a glossy surface with high abrasion resistance
- suitable for the coating of machines, superstructures, furniture, containers, GRP parts, pond and pool coatings
- very good resistance to water and chemicals (if the dosage regulations for the chemicals used for swimming pool hygiene are observed), suitable for continuous water exposure
- long-lasting colour stability through good UV protection
- excellent fullness of the coat
- ready for rolling and brushing (spraying in the commercial sector is possible by adding the thinner HP-IMC-X)

#### Important note:

Does not adhere to PE, PP, PTFE ,...  
Not suitable for new polyester coatings.

→ Please also consider the notes on the following pages!

### Processing data:

	HP-PUR-PLUS - resin -	HP-PUR-PLUS - hardener -
Mix ratio (weight proportion)	100	50
Pot life (at 20°C)	approx. 3-5 hours	
Processing temperature (optimal)	18 – 25 °C	
Processing conditions	from 15°C and up to 70% relative humidity	
Theoretical consumption	Approx. 150 – 200g/m <sup>2</sup> (depending on the condition of the substrate and type of application)	
Recommended coatings/layers	1 – 2 (depending on colour tone and application quantity)	
Recommended paint rollers	HP-L1032 – paint roller 25cm HP-L1034 – paint roller 10cm	

### Drying time:

Drying time **at 20°C**

dust free	45 – 60	minutes
non-sticky	6 – 8	hours
complete drying process	48	hours

Furnace drying **at 60°C**

Non-sticky (let it air for 30 minutes before heating)	approx. 45	minutes
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**Fully loadable after 6 – 7 days (at 20°C)**

<sup>1</sup>result depends on temperature and application quantity

## Surface preparation:

The surface must be clean and dry as well as free of grease, rust and old paints.

	GRP	wood	Alu	steel	Product / Remarks
Cleaning	yes	yes	yes	yes	<b>HP-AC</b> (acetone)
Grinding	80-180	80-180 and lower	Blasting	blasting	Grinding paper
filling	on demand				<b>HP-E30S</b> <b>E45KL</b> plus fillers
priming	yes	yes	yes	yes	<b>E80FS + thinner XB</b>

## Renovation of GRP basin:

First the surface must be freed from the old paint. For this we recommend sandpaper with coarse grain. Large surfaces can also be sandblasted as an alternative.

Shortly before coating, the surface should be degreased once again with a lint-free cloth soaked in acetone. The surface can be primed as soon as the acetone has completely evaporated.

The optimum temperature range for carrying out the work is 18°C - 25°C. The substrate temperature must be at least 16°C.

The primer **HP-E80FS** is applied with a polyamide roller (HP-L1016 or HP-L1017). At low substrate temperatures the epoxy primer can thicken. For optimisation the thinner HP-XB must be added to the system in a concentration of approx. 2-5%

To achieve optimum adhesion, HP-PUR-PLUS should be applied to the not yet completely cured primer. Optimal is a walkable but still slightly sticky substrate. If coating is applied after 24 hours (at max. 20°C ambient temperature), it is imperative that the entire substrate is sanded, otherwise adhesion may be too low.

## Safety instructions:

The safety instructions can be found in the respective containers and safety data sheets. Do not allow children to handle. Avoid inhalation of vapours and product contact with skin. Wear suitable protective gloves and goggles. Contains xylene.

The usual protective measures for paints must be observed. Processing only under good ventilation.

## Mixing:

Carefully mix the resin and hardener according to the specified ratio with a suitable stirrer, free of bubbles. Allow the mixture to rest for 10 minutes before use to allow any bubbles to escape. Then process within the pot life.

## Application procedure:

**The HP-PUR-PLUS is ready to roll and spread.** For application we recommend our varnishing rollers HP-L1032 (width 25cm) and HP-L1034 (width 10cm) or suitable varnishing brushes or surface brushes. Conventional varnishing rollers available in do-it-yourself superstores cannot be recommended due to bubble formation during application!

### ... Application on "fresh" epoxy laminate:

The HP-PUR-PLUS can be applied directly to the fresh epoxy laminate (epoxy resins from HP-Textiles). For an optimal bond without intermediate sanding, the last layer of the underlying epoxy coating must not be older than 24h (at max. 20°C ambient temperature). A firm but still slightly sticky substrate is ideal. If the coating is applied after 24 hours, the entire substrate must be sanded, otherwise the adhesion may be too low.

### ... spray application (industrial application):

	PUR-PLUS - resin -	PUR-PLUS - hardener -	HP-IMC-X - thinner -
Mix ratio (parts)	100	50	30-40

diameter spray nozzle: conventional gun 1,4mm, HVLP gun approx. 1,4mm  
 spray pressure: conventional gun 3.5 - 4 bar, HVLP approx. 2 - 2.5 bar  
 number of spray coats: 2 (recommended)  
 recommended layer thickness: 50 - 60µm (per layer)  
 consumption (theoretical): 1 litre mixture approx. 7-8m<sup>2</sup> at 50µm  
 V.O.C. ready-to-spray product: approx. 530 g/litre

**Processing must only take place in a dry, well-ventilated environment.**

**Avoid condensation moisture. Lacquered surfaces must be protected from moisture for at least 24 hours, as this can interfere with curing and reduce the gloss.**

### Cleaning of work tools:

Unhardened product remains can be removed from tools by means of acetone. Tools should be given a good airing after being cleaned with these solvents, in order to prevent the solvent from being retained until the tool is used again in a process. Hardened remains can only be removed by mechanical means such as grinding tools.

### Storage:

Store in a cool and dry place. Stir up well before using.  
 With optimal storage conditions in the original containers, shelf-life should be beyond 12 months.

### Disposal:

Do not dispose of through the sewerage system, on areas of open water or in the soil.  
 The hardened product waste should be treated as building rubbish or household rubbish.

### Further Information:

Further application-specific information can be requested or downloaded from our website. We would also be pleased to advise you by telephone.

The information in this product data sheet has been compiled to the best of our knowledge and is in accordance with our current state of knowledge. However, due to the large number of possible applications and the storage and processing conditions of our products which are beyond our control, we cannot accept any liability / guarantee for the processing result in individual cases. They neither obligate our company nor can they be a cause for complaints of any kind. We generally recommend preliminary tests.

With the publication of this data sheet all previous editions and resulting data become invalid.