

Rocapox Resin 100-TX

Description and application

2-component, solvent-free, defoaming, epoxy resin combination based on bisphenol A-F resin for universal use. Rocapox Resin 100-TX contains a special additive that greatly improves the adhesion strength and makes it somewhat tolerant to moisture and pollution from oil and grease from the surface.

- Primer underneath epoxy or polyurethane-based synthetic floors as well as under hotspray coatings including Rocathaan Hotspray PA 136-T. A screed layer may also be necessary. A closed surface is necessary.
- Screed layer which is mixed with quartz sand in a ratio of 1 part mixed epoxy and 2 to 3 parts quartz sand 0,1 – 0,3 mm.
- Transparent sealing on mineral surfaces, mortars and trowels.
- A trowel resin in combination with (coloured) quartz materials.
- A self-levelling screed in combination with coloured quartz materials 1:4 to 1:6.
- A primer and/or screed and as a first wet-on-wet layer under trowels, casting trowels and repairing mortars.

Article number and packaging

14041-5	5 kg set
14041-10	10 kg set
14041-25	20 kg set (on request)

Properties

- Completely solvent-free.
- Defoaming
- Good chemical resistant
- Easy to apply
- Good adhesion on mineral surfaces
- Low viscosity
- For universal use
- Strong adhesion properties (TX)

Properties liquid product

Colour	Transparent
Density	1,05 kg/l mixed product
Volume solids	100%
Shelf life	At least 12 months after the date of production, if stored cool in unopened packaging and protected against frost.

Application information

Method	Trowel, squeegee, roller or brush <i>Depending on the application area.</i>		
Usage	0,10 – 0,25 kg/m ² /layer <i>Surface and application dependent</i>		
Mixing ratio	695 gram A : 305 gram B		
Potlife**	At 15 °C	approx. 30 minutes	
	At 20 °C	approx. 20 minutes	
	At 30 °C	approx. 15 minutes	
Application temp.	Surface	+12 and +30 °C	
	Product	+15 and +25 °C	
Walkable	At 12 °C	After 24 hours	
	At 20 °C	After 16 hours	
	At 30 °C	After 12 hours	
Recoat time	At 12 °C	After 24 hours	Max. 36 hours
	At 20 °C	After 16 hours	Max. 24 hours
	At 30 °C	After 12 hours	Max. 24 hours
Chemical resistant*	After 7 x 24 hours		
Water resistant*	After 7 x 24 hours		
Mechanical resistant*	After 3 x 24 hours		
Dilution	Rocapox thinner. A maximum of 10% only to be added once base(A) and hardener(B) have been mixed. Adding thinner affects the final result.		
Cleaning agent	Roca Cleaner R5518 (equipment)		

The times and values given are approximate and are affected by fluctuating surface and environmental conditions such as (product)temperature, relative humidity and layer thickness.

Mixing instructions

2-component products must always be mechanically mixed, preferably with a continuously adjustable mixing machine on low speed (300 – 400 RPM) or other suitable mixing equipment. Use a clean mixing rod which matches the size of the container. Mixing too fast and too long should be avoided in order to minimise air entrapment.

First mix component A until it is a homogenous mixture. Add component B (completely drained or scraped) to component A and mix at least 2-3 minutes until it is a homogenous mixture. To exclude unmixed materials (bottom/sides) are processed, transfer the mixture to a clean mixing bucket/tub and mix again.

When using additives such as quartz sand or the like, only add when the mixture is a homogenous mixture. After adding, please mix thoroughly again.

* At 20 °C and 65% RH surface.
** At 1 kg and 20 °C product.



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When mixing parts, both components must be mixed separately and carefully and weighed accurately.

Mortar based on Rocapox Resin 100-TX

When preparing mortar, pour all of the mixed material into the tub of a forced action mixer. Now slowly, evenly and while turning, add the dry filler in question, until it is a homogeneous mass. Additives must be fully dry. When mixing, make sure that all fillers sitting along the sides and bottom are mixed in as well.

When mixing parts, both components must be mixed separately and carefully and weighed accurately.

In order to achieve a fluid-tight surface, mortar based on this resin must be sealed with Rocapox Resin 100. Usage depends on the compression ratio of the epoxy mortar.

Notes during application

If after having applied a first layer and the surface does not appear to have been fully sealed, a second layer may be applied. Any additives used in the product must be fully dry.

2-component products may only be applied when the relative humidity is less than 85%. The minimum surface temperature is +12 °C and the temperature of the surface to be treated and the uncured product must be 3 °C above the dew point. See the dew point table.

The curing process occurs more quickly at higher temperatures and slower at lower temperatures. The potlife is partly dependent on the product temperature.

Be aware! After mixing, do not leave the product standing in the container. Bulk mixed material or residue will cause an exothermic reaction, heat build-up will lead to smoke and strong odour being produced. Mix with plenty of sand and use as quickly as possible. Always store or dispose of empty mixing vessels in a well-ventilated space.

Surface and circumstances

The surface must be healthy, with a minimum compression strength of 25 MPa and a minimum adhesion strength of 1,5 MPa for normal used flooring and 2 MPa for heavy load flooring.

The surface must be clean and free of grease. All loose components must be removed. Concrete and Anhydrite flooring must be at least 28 days old. Any cement skin must be removed. Closed and monolithic floors must be sanded and any dust must be removed.

Cement skin must be removed by abrasive blasting, captive blasting, high pressure water blasting.

Anhydrite floors need to be sanded and treated with highly impregnating primer in order to strengthen the surface of the anhydrite floor. Apply another layer of Primer to completely seal the surface.

Smooth and closed floors (e.g. concrete) need to be sanded using (dust-free) blasting. Pre-treat contaminated surfaces using flame blasting. After sanding, carefully remove dust from the surface using an industrial vacuum cleaner. Be aware that sanding can lead to filling of the pores, which can lead to reduced adhesion.

Moisture content surface

- cement-bound : < 4% CM (parts by weights)
- plaster-bound : < 0,5% CM (parts by weights)

For detailed information regarding pre-treatment of the surfaces, please see the "surface pre-treatment" information sheet.

Important

Projects and applications can vary greatly. Always contact your supplier if you have doubts about a certain application, choice of material or surface treatment.

All the technical information given in this technical information sheet is based on laboratory tests. Information can change, depending on the conditions.

Legal notification

The information and, in particular, the recommendations concerning the application and final use of Prokol products is issued in good faith based on Prokol's current knowledge and experience of products that are correctly stored, handled and applied under normal conditions.

In practice, the differences in materials, surfaces and local conditions are such that no guarantee can be given concerning the marketability or suitability for a certain objective, nor can any liability arise from any legal relationship based on this information, nor from any written recommendations or other advice that is given. The property rights of third parties must be respected.

Prokol guarantees that its products are free from manufacturing faults. Multi-component products are a finished product once the components have been mixed and processed. When mixed and processed correctly, the product will achieve the specifications given.

* At 20 °C and 65% RH surface.
** At 1 kg and 20 °C product.



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Prokol can only guarantee the product when surfaces are processed and pre-treated correctly.

All orders are accepted under the current sales and delivery conditions. Users must always refer to the most recent product safety information sheet and product information sheet for the product concerned.

Copies of the most recent editions are provided upon request and are available at www.prokol.com.

The publication of this product information sheet makes all previous product information sheets for this product invalid.

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