

Rocapox Flooring EP-300



Description and application

2-component self levelling flooring based on epoxy technology for wear-resistant industrial and decorative design flooring.

Used as a durable, floor covering for various areas and applications, including;

- laboratories
- hospitals
- printing companies
- storage buildings
- canteens
- museums
- plant rooms
- residential premises
- etc.

The product can be used with single or multiple colour combinations, or sprinkled with colour chips and/or decorative chips. A fine anti-slip coating finish is also available. A transparent top coating provides this epoxy synthetic flooring with a good protective layer.

Article number and packaging

23050-10	10 kg set
23050-25	25 kg set

Properties

- Available in nearly all colours.
- Chemical resistant.
- Limited scratch resistant.
- Impact and wear resistant.
- Completely waterproof.
- Easy to clean.

Shore hardness	D 60 ± 5 (DIN 53505, ASTM D2240)
UV resistance	Epoxy products always discolour slightly.
Color	Available in nearly all RAL and NCS colours.
Appearance	Shiny. The final gloss level can be determined by a final topcoat.

Liquid product properties

Density	1,65 mixed product
Volume solids	100%
VOC	0 gram /kg
Shelf life	If cooled in unopened packaging and protected from frost, shelf life is at least 12 months from the production date.

- Good handling properties.
- Excellent flowing properties.
- Long processing time.

Application information

Method	trowel
Layer thickness	ca. 2 mm (1,65 kg /m ² /mm)
Mixing ratio	850 gram A : 150 gram B
Application time**	30 minutes at 20°C
Application temp.	Object between +15°C and +25°C Product between +15°C and +25°C Optimum 20°C for both.
Dust-dry*	8 hrs
Walkable*	18 hrs
Further treatment*	Minimum after 18 hrs but apply within 24 hrs the next layer.
Chemical load	7 x 24 hrs*
Mechanical load and water resistance	3 x 24 hrs*
Cleaning agent	Roca Cleaner R5518 (tools)

*At 65% relative humidity. The times and values given are approximates only and are affected by fluctuating surface and environmental conditions such as temperature and relative humidity.

Surface conditions

The surface must be healthy, with a minimum compression strength of 25 N/mm² and a minimum bond strength of 1.5 N/mm².

The surface must be resistant to mechanical pressure and stress, permanently dry and clean. It must also be free of cracks and free of substances which could reduce in coat adhesion.

A cement-bonded or anhydrite-bonded sub-floor must have been applied at least 28 days earlier on. Remove any cement-skin and concrete residues by grinding or sanding. Remove all dust. Smooth and dense surfaces (e.g. concrete) should be roughened by blasting (dust-free). Roughen anhydrite cast floors by blasting or sanding (depending on the surface tensile strength).



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Unclean surfaces should be treated with a flame-gun and thereafter sanded. Always vacuum the floor to remove dust using an industrial vacuum cleaner.

Apply always a appropriate primer and a epoxy screed. The primer or screed must not be tacky and must be suitable for foot traffic.

For detailed information regarding the pre-treatment of surfaces, please see the "Surface pre-treatment" product information sheet

Application remarks

This 2-component product can only be applied at a relative humidity between 40% and 85%.

The surface temperature must be minimum +15°C and maximum +25°C, whereby the temperature of the surface to be treated and the surface containing the material prior to hardening must remain at least 3° above dew point. Please consult the dew point table.

Avoid great temperature differences between the product and the surface as this could have an adverse effect on the end-product. Allow the material to acclimatize for at least 24 hrs.

The product hardens faster at high temperatures, and slower at low temperatures. Product lifespan also depends on product temperature.

Mixing instructions

Two-component products must always be mechanically mixed, preferably with a continuously adjustable mixing machine/drill. Use a suitable mixer and/or whisk of the correct size. As a guideline, the diameter of the mixer or whisk must be at least 1/3 of the diameter of the container in which the product is mixed.

First, mix the base component and the hardener together. Pour some of the mixed material back into the hardener container and mix it in the container until all the hardener has been used. Next, pour this mixture back into the base component container and mix it again until a homogenous mixture is obtained.

When combining partial containers, both components must be carefully stirred and weighed

Important

Projects and uses can vary greatly. Always contact your supplier if in doubt about a certain use, 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, substrates 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. 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. A copy of these sheets will be provided on request and is also available from www.prokolusa.com. This requires a login name and a password.

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



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