

Rocapox Epoxy Gel

Description and application

Rocapox Epoxy Gel is a thixotropic paste based on solvent-free epoxy resins and is white of colour.

- Improves rheology and application properties of epoxy coatings, mortars and trowel floors.
- Reduces sagging on vertical surfaces.
- Suitable as sealing for open pores and pinholes in concrete but may not be used as a watertight system.
- Improves the application properties of trowel floors.
- By adding fillers such as talcum or micro-balloons an easy to apply epoxy filler can be formulated.

Article number and packaging

14017-10 10 kg set

Properties

- Easy to apply with a trowel
- No shrinkage because the product is solvent-free

Properties liquid product

Colour	Whitish
Density	1,20 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, spatula <i>Depending on the application area.</i>
Usage	Depending on the application and the mixture. Processed as a pure product or, after mixing, mixed with solvent-free epoxy products.
Mixing ratio	675 gram A : 325 gram B
Potlife**	At 15 °C approx. 30 minutes At 20 °C approx. 20 minutes At 30 °C approx. 10 minutes <i>During application the product and container may start to heat up. The product will start to set. Once the product is no longer spreadable, it should not be used and should be discarded. Never prepare more product than is being able to be processed.</i>
Application temp.	+12 and +30 °C
Dust-dry*	After 4 hours

Walkable*	After 18 hours
Recoat time	At 15 °C After 36 hours Max. 48 hours At 20 °C After 24 hours Max. 36 hours At 30 °C After 24 hours Max. 36 hours <i>Apply next layer within given time. Recoat times can decrease as the temperature rises. When exceeding the recoat time, the existing layer must be sanded and provided with a primer.</i>
Mechanical resistant*	After 3 x 24 hours
Dilution	Not permitted
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

Rocapox Epoxy Gel is a thixotrope material and needs to be mechanical mixed intensively and carefully until it becomes homogeneous. Please pay extra attention to this. Due to the thixotropy, there is a chance of unmixed parts.

When the epoxy gel needs to be mixed with another epoxy product, please make sure both base (A) and hardener (B) of both products are mixed. Mix them together afterwards.

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.

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

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



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Rocapox Epoxy Gel

With this product, the use of thinners is **not** allowed!

Notes during application

2-component products may only be applied when the relative humidity is less than 85%. The minimum surface temperature is +10 °C. Watch out for condensation. The temperature of the surface to be treated and the uncured product must be 3 °C above the dew point reduce the risk of condensation, white discoloration or stickiness (carbamate formation) on the coating. See the dew point table. The optimal processing temperature is 20 °C.

Be aware! Low temperature and high humidity increase the risk of white discoloration or carbamate formation (sticky surface).

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.

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.

Rocapox Epoxy Gel cannot be applied directly to an absorbent surface as the gel is not able to penetrate into the surface. First treat absorbent surfaces with an impregnating, solvent-free, epoxy primer. If desired, the gel can be applied wet on wet to the primer, allowing the primer to penetrate into the surface for about 10 minutes.

The surface must be free from pressure or rising water from the subsoil in accordance with ASTM D 4263 (polyethylene film).

Moisture content surface

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

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** At 1 kg and 20 °C product.

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. 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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