Rocapox EP Primer **GV-M**

Description and application

2-component, solvent-free, transparent primer with an epoxy resin combination base for mineral surfaces. Rocapox EP Primer GV-M adheres well to various surfaces. Rocapox EP Primer GV-M can also be used to form a scraping (screed) layer, where an extra substance is added after the two components have been mixed together.

This primer is also available in a TX variant. This type of primer is modified and contains a special additive that greatly improves the adhesion strength and makes it somewhat tolerant to moisture.

Can be used as a primer for treating mineral surfaces.

Article number and packaging

11045-5	in 5 kg set
11045-10	in 10 kg set
11045-20	in 20 kg set

Properties

- 100% solvent-free.
- Easy to apply.
- Very good adhesion properties.
- Low viscosity

Thermal

Load	***Dry heat***
Permanent	+55ºC
Brief (a maximum of 7 days)	+65ºC
Brief (a maximum of 12 hours)	+75ºC

In the event of long-term thermal loads, no epoxy primer should be used, due to the softening point. We recommend using EcoFast Multi-TR as a primer.

Brief humid heat up to a maximum of 75ºC and occasional exposure to, e.g., steam-cleaning is permitted. No simultaneous chemical and mechanical load.

Liquid product properties

Colour	Transparent
Density	1,05 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 depends on the application.	
Coverage	As a primer	0,15 – 0,25 /kg /m2
	As a mortar	2,20 kg /m2 /mm
Mixing ratio	660 gr A : 340 gr B	
Dilution	Rocapox Thinner. Maximum 10% only to added once base and hardener have been mixed. Adding thinner will affect the final physical properties.	
Potlife**	15ºC	approx. 30 minutes
	20ºC	approx. 20 minutes
	30ºC	approx. 15 minutes
Application temp.	Substrate	between +12ºC and +30ºC
	Product	between +15ºC and +25ºC
Walkable*	12ºC	after 24 Hr
	20ºC	after 16 Hr
	30ºC	after 12 Hr
Recoat time*	12ºC	after 24 Hr Max. 36 Hr
	20ºC	after 16 Hr Max. 24 Hr
	30ºC	after 12 Hr Max. 24 Hr
Chemical load*	7 x 24 hrs at 20ºC	
Mechanical load*	3 x 24 hrs at 20ºC	
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.

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 in a seperate clean bucket. 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 into the base component container and mix it again until a homogenous mixture is obtained. Then, pour the mixture from the base container into the bucket and mix it briefly again.

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

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Mortar based on Rocapox EP Primer GV-M

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 you have a homogeneous mass. Additives must be absolutely dry. When mixing, make sure that all fillers sitting along the sides and bottom are mixed in as well.

When preparing parts, both components must be carefully stirred and weighed.

In order to achieve a fluid-tight surface, mortar based on this resin must be sealed with Rocapox EP Primer GV-M. Use depends on the compression ratio of the epoxy mortar.

Comments during application

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

Two-component products may only be applied when the relative humidity is less than 85%.

The minimum application temperature is +12°C and the temperature of the surface to be treated must be 3°C above the dew point. Check the dew point table.

Full curing is accelerated in high ambient or substrate temperatures and slowed in lower temperatures. Pot life times depend on product temperature. Care should be taken on both counts.

Warning! After mixing do not leave 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 a quickly as possible. Always store or dispose of empty mixing vessels in a well-ventilated location.

Additives must be absolutely dry.

Surface conditions

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

The surface must be clean and free of diesel, oils and grease. All loose friable materials and foreign bodies must be removed by abrasive blasting, captive blasting, high pressure water blasting. This is to remove all surface laitance. Monolithic floors and formed surfaces must be abrasive blasted or other preparation means to clean and profile.

All concrete surfaces must be at least 28 days of age.

Moisture content of surface: < 4% (parts by weight).

Sand anhydrite floors first apply a highly impregnating primer type Rocapox EP Primer ELT in order to strengthen the surface of the anhydrite floor. Apply another layer of Rocapox EP Primer GV-M to completely seal the surface.

Steel must be blasted to provide an anchor profile of 75 to 100 micron according to DIN EN ISO 12 944, Part 4. Use a primer with rust inhibiting properties.

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

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.

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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.prokol.com.

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

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