

Rocapox Primer WD-500

Description and application

Impregnating primer based on waterborne epoxy for metal, wood and mineral surfaces for inside and outside applications. Forms the base for most synthetic floor coatings.

Article number and packaging

11040-5 5 kg set

Properties

- Wear-resistant
- Dilutable with water
- Deep-impregnating
- Very effective
- Almost odourless

Adhesion strength

- Dry mineral surfaces > 5,5 MPa

Thermal

Load

Permanent

Dry heat

-20 °C and +60 °C

Short-term wet heat up to a maximum of +80 °C and only occasionally, for instance when steam-cleaning. Simultaneous chemical and mechanical loads are not permitted. Not resistant to thermal shock load.

Properties liquid product

Colour	Transparent
Density	1,11 kg/l mixed product
VOC quality	< 10 g/l
Volume solids	Approx. 20%
Shelf life	At least 12 months after the date of production, if stored cool in unopened packaging and protected against frost. Products should always be placed on pallets to avoid direct contact with the floor.

Application information

Method	Trowel, squeegee, roller or brush
Usage	0,10 – 0,25 kg/m ² /layer <i>Surface dependent</i>
Mixing ratio	See the label on the packaging
Potlife*	At 15 °C approx. 2 hours At 20 °C approx. 1,5 hour <i>End of potlife is not visible. Do not process</i>

after given times.

Application temp.	Surface +15 and +30 °C Product +10 and +25 °C
Recoat time	Minimal 2-4 hours, maximum 24 hours
Chemical resistant*	After 7 x 24 hours
Mechanical resistant*	After 7 x 24 hours
Dilution	Water. A maximum of 10% only to be added once base(A) and hardener(B) have been mixed
Cleaning agent	Warm water

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 to component A and mix at least 2 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, the base component must be mixed carefully and both components weighed accurately.

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 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. Sand surface between layers.

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

* At 23 °C and 50% RH surface.



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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. Remove cement skin and concrete residues by grinding or sanding.

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.

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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