

Rocapox Flooring SL-300

Description and application

2-component, solvent-free, epoxy casting floor with wear-resistant and decorative properties. This casting floor is suitable as finish for cement and plaster-bound surfaces as well as durable finish for various areas and applications, including;

- Warehouses
- Workshops
- Archives
- Garages
- Technical rooms

Rocapox Flooring SL-300 is chemical resistant and can be used with single or multiple colour combinations. Consult the chemical resistance list from this product.

Article number and packaging

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

Properties

- Solvent-free
- Large range of layer thickness
- Liquid-proof
- Seamless
- Easy to apply
- Free of Nonylphenol
- Good chemical resistance
- Resistant against plasticizers

Shore hardness ±D83 (DIN 53505)

Thermal

| Load | Dry heat |
|-------------------------------|----------|
| Permanent | +50°C |
| Brief (a maximum of 7 days) | +80°C |
| Brief (a maximum of 12 hours) | +100°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.

Properties liquid product

| | |
|---------|---|
| Colour | Available in RAL colours, see colour overview. <i>Other colours are available on project basis and on request.</i> |
| Finish | Gloss <i>Will turn to satin gloss through use</i> |
| Density | 1,81 kg/l mixed product |

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

| | |
|---------------|---|
| Volume solids | 100% |
| Shelf life | At least 6 months after the date of production, if stored cool in unopened packaging and protected against frost. |

Application information

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|-----------------------|--|
| Method | Trowel, squeegee |
| Usage | 1,50 – 5 kg/m ² /layer <i>Usage is depending on the surface and the desired layer thickness.</i> |
| Mixing ratio | 850 gram A : 150 gram B |
| Potlife | At 15 °C approx. 40 minutes At 20 °C approx. 25 minutes At 30 °C approx. 15 minutes |
| Processing temp. | Object +10 and +30 °C Product +15 and +25 °C |
| Walkable | At 10 °C After 24 hours At 20 °C After 16 hours At 30 °C After 12 hours |
| Recoat time | At 10 °C Min. 24 hours Max. 36 hours At 20 °C Min. 16 hours Max. 24 hours At 30 °C Min. 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 |
| 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/drill (300 – 400 RPM) or another suitable mixer/whisk. As a guideline, the diameter of the mixer/whisk must be at least 1/3 of the diameter of the container in which the product is mixed in.

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.



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Rocapox Flooring SL-300

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

Notes during application

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

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.

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 need to be clean, permanently dry and free of substances that can reduce the adhesion. All loose components must be removed.

Anhydrite floors need to be sanded, depending on the strength of the surface skin and preferably treated with highly impregnating primer in order to strengthen the surface of the anhydrite floor.

Concrete and anhydrite must be at least 28 days old. Any cement-skin must be removed. Monolithic and closed 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)

* At 20 °C and 65% RH surface.
** 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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