

Rocathaan PU 300-BA

Description and application

2-component, solvent-free, screed with a tough-elastic polyurethane base. Can be used as an aggregate binder to realise an anti-slip finish on drivable/walkable surfaces. Suitable for various areas and applications, including;

- Parking decks
- Driveways
- Ramps
- Foot traffic areas
- Platforms
- Bridges
- Galleries and terraces
- RORO-decks

The screed layer can be used as a protective finish for synthetic membranes and can be used as a binder for littered systems for waterproofing and mastic asphalt finishes.

Article number and packaging

23105-10	10 kg set
23105-25	25 kg set

Properties

- Resistant against atmospheric influences and certain range of chemicals.
- Good adhesion with mineral materials
- Non-thermoplastic to retain surface hardness even at high temperatures

Shore hardness	±D60 (DIN 53505, ASTM D2240)
UV resistance	Completely <i>Some degree of discoloration is normal with aromatic polyurethane.</i>

Properties liquid product

Colour	Light grey <i>Other colours are available on project basis and on request.</i>
Density	1,43 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
Usage	0,75 – 1,25 kg/m ² /layer <i>Depending on the desired grain size.</i>
Mixing ratio	850 gram A : 150 gram B

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

Potlife	At 15 °C	approx. 35 minutes
	At 20 °C	approx. 25 minutes
	At 25 °C	approx. 15 minutes
Processing temp.	Object	Min. +5
	Product	Min. +5 Max. +25 °C
Walkable	At 10 °C	After 24 hours
	At 20 °C	After 12 hours
	At 25 °C	After 8 hours
Recoat time	At 10 °C	Min. 36 hours Max. 48 hours
	At 20 °C	Min. 24 hours Max. 24 hours
	At 25 °C	Min. 12 hours Max. 18 hours

Chemical resistant* After 7 x 24 hours

Mechanical resistant* After 3 x 24 hours

Dilution Rocathaan thinner. A maximum of 5% only to be added once base(A) and hardener(B) have been mixed. Adding thinner can affect the curing times.

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.

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

Notes during application

Any additives used in the product must be fully dry. Preference is given to fire-dried and dust-free scattering materials.

Can be applied on hot spray systems in solvent-free form after 1 hours at 20 °C*.



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2-component products may only be applied when the relative humidity is less than 85%. The minimum surface temperature is +5° 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.

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. The surface must be clean and free of grease. All loose components must be removed. Concrete must be at least 28 days old. Any cement skin must be removed. Monolithic floors must be sanded and any dust must be removed.

Steel needs to be sanded conform Sa 2,5, 75 -80 microns, DIN EN ISO 12 944, part 4.

Moisture content surface

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

In all cases, a primer is necessary. Work within the open time of the previous layer. When exceeding the open time, the existing layer must be sanded and provided with a suitable primer.

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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