

Rocathaan Flooring SL-100

Description and application

Emission-free, 2-component, solvent-free, semi-gloss, aromatic polyurethane casting floor based on "renewable resources". This casting floor can be used as a wear-resistant and decorative floor, has a shore hardness of approx. D60 and can be used for various areas and applications, including:

- Laboratories
- Printing companies
- Storage buildings
- Canteens
- Technical rooms
- Residential premises

This product can be used with single or multiple colour combinations, or sprinkled with colour chips and/or decorative chips. A fine anti-slip coating finish is also available. A transparent topcoating provides this polyurethane synthetic flooring with a good protective layer.

Article number and packaging

23116-10	10 kg set
23116-25	25 kg set

Properties

- A comfortable finish due to its elasticity
- Resistant against normal chemicals
- Impact and wear resistant
- Completely waterproof
- Non-thermoplastic to retain surface hardness even at high temperatures
- Easy to clean
- Zero emissions
- Good processing properties (long processing time)
- Greatly improved flow properties

Elongation	± 60% (DIN 53504)
Tensile strength	± 4,5 MPa (DIN 53504)
Shore hardness	A97 ± 5 (DIN 53505, ASTM D2240) D53 ± 5 (DIN 53505, ASTM D2240)
Wear resistance Taber	75 mg 1000 cycles, 1000 g load, CS17
Fire class	B2 (DIN 4102)
UV resistance	Completely <i>Some degree of discoloration is normal with aromatic polyurethane.</i>

Properties liquid product

Colour	Available in RAL colours, see colour overview. <i>Other colours are available on project basis and on request.</i>
Finish	Semi-gloss <i>The final gloss level is determined by the final layer.</i>
Density	1,50 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	Flat trowel
Usage	1,50 kg/m ² /mm
Mixing ratio	800 gram A : 200 gram B
Potlife**	45 minutes
Application temp.	Min. 15 °C and max. 25 °C. <i>The optimal temperature is 20 °C.</i>
Dust dry*	After 8 hours
Walkable*	After 18 hours
Recoat time*	Min. 18 hours <i>Apply next layer within 24 hours.</i>
Chemical resistant*	After 7 x 24 hours
Mechanical resistant*	After 3 x 24 hours
Water resistant*	After 3 x 24 hours
Dilution	Not permitted
Cleaning agent	Roca Cleaner R5518 (equipment)

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 (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.

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



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When mixing parts, both components must be mixed separately and carefully and 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 +15 °C with a maximum of +25 °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.

Avoid wide temperature differences between the product and the surface as this could have an adverse effect on the end-product.

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 and anhydrite must be at least 28 days old. Any cement-skin must be removed. Monolithic floors must be sanded, any dust must be removed and the surface must be treated with a suitable primer and if necessary a screed.

Moisture content surface

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

Anhydrite floors need to be sanded, any dust must be removed and treated with highly impregnating primer (not waterborne) in order to strengthen the surface of the anhydrite floor. Apply another layer primer to completely seal the surface.

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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