

Rocathaan Topcoat 35

Description and application

2-component, solvent-containing, eggshell gloss topcoating providing exceptionally durable protection, based on a special hydroxyl component and an aliphatic isocyanate hardener.

A very durable protection for synthetic systems, including polyurea, polyurethane and epoxy, as well as concrete structures, such as viaducts, bridges, concrete strips, pillars, etc. in aggressive environments, as well as steel, whether or not in combination with a rust-inhibiting primer.

Not suitable for coating littered surfaces.

Article number and packaging

16024-5	5 kg set
16024-10	10 kg set
16024-25	25 kg set (on request)

Properties

- Very high CO₂ resistance against atmospheric contamination and various chemicals
- High mechanical resistance
- Smooth and tight topcoat that gives dirt little chance of adhering and makes the surface easy to clean.
- Thanks to the very low water absorption properties, it is excellent to use as a seal against penetrating moisture
- UV-resistant, therefore, gloss and colour are maintained
- Non-thermoplastic, therefore, the surface remains hard even at higher temperatures

Properties liquid product

Colour	Available in RAL colours, see colour overview. <i>Other colours are available on project basis and on request.</i>
Finish	Egg gloss
Density	1,37 kg/l mixed product
Volume solids	55%
Shelf life	At least 12 months after the date of production, if stored cool in unopened packaging and protected against frost. Drums should always be placed on pallets to avoid direct contact with the floor.

Application information

Method	Brush, roller	
Usage	0,15 – 0,30 kg/m ² /layer <i>Must allow for two coats minimum.</i>	
Mixing ratio	870 gram A : 130 gram B	
Potlife**	Approx. 2 hours	
Application temp.	Surface	+5 and +35 °C
	Product	+10 and +35 °C
Walkable*	After 18 hours	
Recoat time*	Min. 18 hours	max. 36 hours.
Chemical resistant*	After 7 x 24 hours	
Mechanical resistant*	After 3 x 24 hours	
Water resistant*	After 7 x 24 hours	
Induction time	5 minutes	
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 properties.	
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. Ensure good ventilation during curing. Insufficient ventilation will slow down the curing process.

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.

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

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



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Liquid synthetic materials for a sustainable future

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Notes during application

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.

Moisture content surface

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

Anhydrite floors need to be sanded and treated with highly impregnating primer in order to strengthen the surface of the anhydrite floor. Apply another layer Primer to completely seal the surface.

Steel needs to be sanded conform Sa 2,5, 75 -80 microns, DIN EN ISO 12 944, part 4 and if necessary treated with a primer with anti-corrosion properties.

The load-bearing capacity of the synthetic floor depends on the compressive strength of the cement-bound screed and can never be absorbed by a flooring system.

Already existing and treated work:

Roughen old 2-component layers by blasting or sanding and apply a suitable primer. Check old coating layers for possible detachment. If in doubt, always set up a test area and consult your supplier.

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.

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- ** At 1 kg and 20 °C product.

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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