

Rocathaan Topcoat 20-C

Description and application

A strong, **coloured**, waterborne, 2-component topcoating. Rocathaan Topcoat 20-C is a permanent topcoating for long-lasting protection. Suitable as a wear-resistant, non-yellowing finish for synthetic floors.

This topcoat is available with a mat or satin finish and is also suitable for use on mineral surfaces for indoor and outdoor use, metals, wood and coated surfaces.

Rocathaan Topcoat 20-C can be thinned with 5% demineralized water, if desired.

Article number and packaging

Mat	16276-1C	1 kg set
Mat	16276-5C	5 kg set
Satin	16277-1C	1 kg set
Satin	16277-5C	5 kg set

Properties

- Non-resistant against plasticizers
- Very low dirt absorption
- Non-yellowing
- Good wear and scratch resistant
- Resistant to a variety of chemicals

Wear resistance taber 0,028 g
1000 cycles, 1000 g load, CS17

Properties liquid product

Colour	Available in RAL colours, see colour overview. <i>Other colours are available on project basis and on request.</i>
Finish	Mat or satin
Density	1,25 kg/l mixed product
Volume solids	50%
VOC quality	45 g/l
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	Micronyl 2-K roller, airless spray and brush
Usage	Approx. 0,10 kg/m ² /layer <i>Apply evenly. Depending on the colour and conditions, two layers may be necessary. Try</i>

* At 20 °C and 50% RH surface.

	<i>not to apply a thick layer at once.</i>	
Mixing ratio	See the label on the packaging	
Potlife*	Approx. 3 hour	
Application temp.	Surface	+10 and +30 °C
	Product	+10 and +30 °C
Recoat time*	Min. 4 - 8 hours	max. 24 hours.
Chemical resistant*	After 7 x 24 hours	
Water resistant*	After 7 x 24 hours	
Mechanical resistant*	After 7 x 24 hours	
Dilution	Demineralized water. If necessary, a maximum of 5% only to be added once base(A) and hardener(B) have been mixed.	
Cleaning agent	Warm water <i>Do not flush waste down the sink.</i>	

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 and component B for 2 minutes. During mixing, the viscosity of the product will increase. This is a normal phenomenon.

After mixing the base (A) and hardener (B), add 5% demineralized water if necessary and mix again carefully. After mixing, allow the product to stand for 5 minutes before using.

When mixing parts, component A (base) must be mixed separately and carefully and both base and harder must be weighed accurately.

Notes during application

Synthetic flooring must be sufficiently cured before applying a topcoating. An insufficiently cured cast floor can lead to unwanted effects in the surface as well as accelerated curing of the topcoating.

Allow a curing time of at least 18 hours at 20 °C ambient and surface temperature for synthetic flooring. Lower temperatures result in longer curing times.



Tel. +31 (0)85 78 200 20 • Fax. +31 (0)85 78 200 21
www.prokol.com • info@prokol.com

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2-component products may only be applied when the relative humidity is less than 75%. 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.

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

Apply with a Micronyl 2-K roller. Needed layer thickness is 0,15 kg/m²/layer. Prevent from puddles.

Apply strips wet on wet. Due to the low layer thickness, this coating cures within 20 – 30 minutes, depending on the circumstances.

The curing time can be extended by avoiding ventilation and turning off heaters. Work systematically so that the edges are still wet when the floor surface and edges get connected.

It is important that the coating is evenly applied. If necessary, roll again with a wide roller.

When working systematically and with sufficient layer thickness, 1 layer is adequate. It is important that all parts are coated well and evenly. However, to avoid risk, applying two layers for an optimal result is recommended.

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 sand cement screeds must be at least 28 days old. Any cement skin must be removed. Monolithic floors must be sanded and any dust must be removed.

Cement-bound surfaces must first be impregnated with a primer based on professional advice.

Moisture content surface

- cement-bound : < 2,5% CM (parts by weights)
- plaster-bound : < 0,5% CM (parts by weights)

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.

For detailed information regarding pre-treatment of the surfaces, please see the "surface pre-treatment" information sheet.

* At 20 °C and 50% RH surface.



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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.

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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