

# Rocathaan Topcoat 20

## Description and application

A strong, **transparent**, waterborne, 2-component topcoating. Rocathaan Topcoat 20 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 can be thinned with 5% demineralized water if desired.

## Article number and packaging

Mat	16276-1	1 kg set
Mat	16276-5	5 kg set
Satin	16277-1	1 kg set
Satin	16277-5	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 0,020 g (1000, 1 kg load, CS17)

## Properties liquid product

Colour	Transparent
Finish	Mat or satin
Density	1,06 kg/l mixed product
Volume solids	>40%
VOC quality	Subcategory : i Limit value 2010 : 140 Degree : <140
Shelf life	At least 12 months after the date of production, if stored cool in unopened packaging and protected against frost.

## Application information

Method	Micronyl 2-K roller, airless spray
Usage	Approx. 0,15 kg/m <sup>2</sup> /layer <i>Apply evenly. Depending on the colour and conditions, two layers may be necessary. Try not to apply a thick layer at once.</i>
Mixing ratio	630 gram A : 370 gram B
Potlife**	Approx. 1 hour <i>End of potlife is <b>not</b> visible.</i>
Processing temp.	Object +10 and +30°C Product +10 and +30°C
Walkable*	After 6 - 8 hours
Recoat time*	Min. 6 - 8 hours max. 24 hours.
Chemical resistant*	After 7 x 24 hours
Water resistant*	After 2 x 24 hours
Mechanical resistant*	After 3 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	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/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.

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.

\* 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

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.

2-component products may only be applied when the relative humidity is less than 85%. 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/m<sup>2</sup>/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.

Moisture content surface

- cement-bound : < 4% 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.

## 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.

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.

\* At 20 °C and 65% RH surface.  
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Copies of the most recent editions are provided upon request and are available at [www.prokol.com](http://www.prokol.com).

The publication of this product information sheet makes all previous product information sheets for this product invalid.

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