MonoPrime **UNI**

Description and application

Universal, 2-component, solvent-containing, polyurethane primer with a very long application time and a short drying time for smooth and slightly porous surfaces.

As a particularly well adhering primer on a very wide range of surfaces such as wood, many synthetic materials, aluminium and steel (in the case of steel, it is recommended to apply an rust-inhibiting primer type: Rocathaan Primer UNI-RW) also on most non-oligomeric synthetics. Do not apply to surfaces that are highly sensitive to solvents.

Article number and packaging

11050-5	5 kg set
11050-10	10 kg set

Properties

- Easy to apply
- Short curing time and long application time
- Universally applicable on most surfaces

Properties liquid product

Colour	A component whitish B component transparent
Density	1,37 kg/l mixed product
Volume solids	58%
Shelf life	At least 12 months after the date of production, if stored cool in unopened packaging and protected against frost.

Application information

Method	Brush, roller, air spray, airless spray
Usage	0,10 – 0,25 kg/m²/layer *Surface dependent*
Mixing ratio	880 gram A : 120 gram B
Potlife**	Approx. 3 hours
Application temp.	Surface +5 and +30 ºC Product +10 and +25 ºC
Walkable*	After 45 minutes
Recoat time*	Solvent-free: min. 45 minutes and max. 72 hours. Solvent-containing: min. 12 hours and max. 72 hours.
Chemical resistant*	After 7 x 24 hours
Mechanical resistant*	After 3 x 24 hours
Dilution	Not permitted
Cleaning agent	Roca Cleaner R5518 (equipment)
Hands	Swarfega Blackbox Cleaning wipes (They are also supplied by Prokol).

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 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.

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.

Ensure good ventilation during curing. Insufficient ventilation, notably on the floors of swimming pools and other basins, bottoms of trailers, may result in slow and irregular curing of the applied primer layer. Be aware of this! Entrapped solvent can lead to blistering and debonding of a subsequent layer.

Surface and circumstances

Mineral surfaces

The surface must be healthy, with a minimum compression strength of 25 MPa and a minimum adhesion strength of 1,5 MPa for normal used flooring and 2 MPa for heavy load flooring.

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

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

Liquid synthetic materials for a sustainable future

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. Remove cement skin and concrete residues by grinding or sanding.

Pre-treat contaminated surfaces using flame blasting. After sanding, carefully remove dust from the surface using an industrial vacuum cleaner. Be aware that sanding can lead to filling of the pores, which can lead to reduced adhesion.

The surface must be free from pressure or rising water from the subsoil.

Moisture content surface

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

Old synthetic coatings
When applying this primer to existing synthetic coatings, the existing coating must be sufficiently resistant to the solvents present in this primer. Allow enough curing time for the previous layers. If the curing time is not observed, the underlying layer can be affected.

Steel surfaces
The surface must be free of substances which may have a negative influence on adhesion, such as oil and grease. If these types of substances are present, they must first be removed with the appropriate agents and/or tools.

Surface blasting, Sa 2,5, 75 -100 microns, DIN EN ISO 12 944. Then thoroughly remove all dust. Formation of surface rust must be avoided at all times.

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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