

DATASHEET

Okamul PU-V schnell

1-component PU pre-coating

- for non-absorbent and absorbent substrates
- fast drying
- solvent-free and anhydrous
- high bond adhesion
- short drying time on calcium sulphate screeds
- 1) Does not replace waterproofing membranes or components according to any standards



PRODUCT DESCRIPTION

Solvent-free and anhydrous, very low emission, 1-component polyurethane based pre-coating for absorbent and non-absorbent substrates before filling, leveling and installation work

- before laying ceramic and natural stone coverings on load-bearing substrates
- for strengthening labile, damaged screed surfaces
- as a moisture barrier to block off residual moisture up to max. 4.0 CM % (90% rH) on cement-bonded, moisture-resistant substrates before laying elastic and textile surfaces as well as parquet
- as a pre-coating before laying parquet with **Kiesel Bakit parquet adhesives** as well as ceramic tiles and natural stone with **Okamul PU-K** or **Kiesel tile adhesives**
- as a pre-coating on critical, old screeds and residues of adhesive layers (e.g. spent sulphite lye, bitumen)
- for protecting moisture-sensitive substrates such as e.g. calcium sulphate screeds, chipboard, OSB sheets and gypsum bonded dry screed elements prior to moisture penetration from leveling compounds and tile adhesives
- as a pre-coating prior to subsequent filling and leveling work with **Servoplan**, **Servofix screeds** and leveling compounds (**Servoalpha** only under textile and elastic surfaces) together with the pre-coating **Okatmos® EG 20 / Okatmos® UG 30**.

SUBSTRATE PREPARATION

The substrate must be inspected and ready for installation in accordance with the respective regulations of the individual countries as well as the current state of technology.

Depending on the type of substrate, floor coverings and the requirements such as subsequent loading conditions, prepare substrate for laying using suitable Kiesel primers/pre-coats and self-leveling compounds. With non-absorptive substrates, apply a Kiesel leveling or patching compound to a minimum thickness of 2 mm. Technical datasheets of other Kiesel products used, must also be complied with. A system structure must be ensured.

PROCESSING

Bring **Okamul PU-V schnell** to room temperature and shake or stir well before use.

Always apply the pre-coating evenly and over the entire surface using a velour roller or foam roller, **avoiding puddles and/or thick layers**. Each layer must be completely cured to form a thin, closed film. In general, the individual layers or further work steps must be carried out within 48 hours.

As a pre-coating before filling and laying work:

For absorbent substrates apply the second coat with **Okamul PU-V schnell** immediately after the first layer has **cured (about 50 minutes)**. Then sprinkle the fresh surface in excess with quartz sand with grain size 0.3 - 0.8 mm or, after the first layer is cured immediately apply **Okatmos® UG 30 / Okatmos® EG 20** as an adhesion promoter.

On non-absorbent substrates, only one application of **Okamul PU-V schnell** in combination with quartz sand sprinkling or **Okatmos® UG 30 / Okatmos® EG 20** is required.

Use as a moisture barrier on moisture-resistant surfaces:

Residual moisture: up to 3 CM-% (85% rH) = 2 layers, up to 4 CM-% (90% rH) = 3 layers

Ceramic or natural stone surfaces can be laid within 48 hours, even without sanding. In the case of longer waiting times apply **Okatmos® UG 30 / Okatmos® EG 20** within 48 hours to promote bonding.

As a primer for the protection of moisture-sensitive substrates:

As with e.g. calcium sulphate screeds, apply one coat of **Okamul PU-V schnell** and after curing (about 50 minutes) apply **Okatmos® UG 30 / Okatmos® EG 20** to promote bonding. This especially when laying ceramic surfaces with an expected adhesive bed thickness of >5 mm or for filling work with layer thickness >10 mm.

SPECIFICATIONS

Color	brownish, transparent
Application	indoors, on walls and floor surfaces
Application temperature	+15 °C to + 25 °C (59 °F to 77 °F) (substrate)
Cure time*	approx. 50 minutes when bonding parquet with Kiesel SMP adhesives min. 3 hours
Floor heating system	suitable
GISCODE	RU 1 in accordance with TRGS 610
EMICODE	EC 1 ^{Plus} in accordance with GEV
Storage	store in a frost-free area storable for approx. 12 months in the original sealed container

* At 68°F (+20°) and 65% relative humidity. Higher temperature and low humidity decreases, lower temperature and high humidity increase this value respectively.

IMPORTANT NOTICE

Only for commercial use.

Please refer to the safety data sheet for further information.

Please note:

In the case of unfavourable climatic conditions (low temperatures and relative humidity <40%), a longer curing time of at least 3 hours before the bonding of parquet must be observed. As of August 2023, appropriate training must be provided prior to industrial or commercial use.

COVERAGE

as pre-coating:			
consumption*	approx. 0,02048 lbs./ft ² (ca. 100 g/m ²)	-	approx. 0,03072 lbs./ft ² (ca. 150 g/m ²)
coverage* per 3 kg / 6,6 lbs plastic canister	approx. 323 ft ²	-	approx. 215 ft ²
coverage* per 11 kg / 24,3 lbs plastic canister	approx. 1.184 ft ²	-	approx. 789 ft ²
as a moisture barrier:			
consumption*	approx. 0,06144 lbs./ft ² (ca. 300 g/m ²)	-	approx. 0,07168 lbs./ft ² (ca. 350 g/m ²)
coverage* per 3 kg / 6,6 lbs plastic canister	approx. 108 ft ²	-	approx. 92 ft ²
coverage* per 11 kg / 24,3 lbs plastic canister	approx. 395 ft ²	-	approx. 338 ft ²

Coverage is approximate and is given for estimating purposes only. It may vary according to substrate conditions and other factors.

TOOLS

Lint-free velour roller or foam roller

CLEANING

Immediately clean tool with **Bakit RT** or ethanol.

PACKAGING

Product description	Item no.	Item no.
3 kg / 6,6 lbs plastic canisters	60070	4015705600703
11 kg / 24,3 lbs plastic canisters	60077	4015705600772

The aforementioned information, especially the proposals for processing and utilizing our product, is based on our knowledge and experience. We recommend that you carry out your own tests in every case to ensure the suitability of our products for the intended process and processing purposes because of the different materials and the working conditions which lie beyond our area of influence. No liability can be derived from this advice or from verbal advice, unless we are responsible for (criminal) intent or gross negligence in this respect.

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