WAKOL PU 280 Polyurethane Primer

Technical Information

Area of application

1-component reaction resin primer for

- Priming absorbent and non-absorbent subfloors
- Solidifying abraded or sanded screed edges
- Blocking excessive residual moisture up to max. 6 CM %/98% CRH in cement screed without underfloor heating. Provided that the screed is at least 28 days old and there is no visible water on the surface, WAKOL PU 280 Polyurethane Adhesive can be used without a moisture restriction.
- blocking excessive residual moisture up to max. 3 CM% / 85 % CRH in cement screed with underfloor heating
- Blocking excessive residual moisture up to max. 7,5 by weight% / 98 % KRL in unheated concretes. Provided that the concrete is at least 28 days old, there is no visible water on the surface and there is a functioning moisture barrier available on-site, WAKOL PU 280 Polyurethane Adhesive can be used without a moisture restriction.

indoors and outdoors.

Special properties

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- solvent-free as defined by TRGS 610

1) Based on the criteria of GEV (Association for Emission-controlled Laying Materials), classified as EMICODE EC1 PLUS: very low in emissions
2) Emissions class according to French law
3) Solvent-free polyurethane laying materials
4) Suitable for underfloor heating
5) Suitable for exposure to castor wheels

Technical data

Raw material base:	Polyurethane resins
Drying time:	approx. 40 - 50 minutes at least 2 hours for layers treated with quartz

Cleaning agent:	WAKOL RT 5960 Cleaning Cloth before primer dries
Storage time:	12 months in the sealed container
Storage temperature:	not below +5 °C, sensitive to frost

Application and consumption[6)]

WAKOL Primer Roller, 11 mm Velour or Foam roller	100 - 150 g/m²	As a primer when only one layer is applied
WAKOL Primer Roller, 11 mm Velour or Foam roller	250 - 350 g/m²	As a moisture barrier when two to three layers are applied

6) Consumption is dependent on surface structure and absorbability of subfloor.

Subfloors

The subfloor as well as the room climate conditions must meet the requirements of the applicable standards and data sheets. An exception is only made for the residual moisture content of the cement-based subfloor if the primer is used to block capillary moisture.

Mechanically pre-treat and thoroughly vacuum-clean calcium sulphate screeds according to the manufacturer's specifications or according to the applicable standards and data sheets.

The usage as moisture barrier may only occur on permanently moisture-proof subfloors and for the purpose of blocking capillary moisture.

In the case of heavy, constantly rising moisture and water vapour diffusion the primer cannot be used, as the product does not replace structural waterproofing as set out in Part 4 of DIN 18195.

Usage

Shake the container well before using. Apply the primer with a WAKOL Primer Roller, velour or foam roller, without letting the substance pool. If using as a moisture barrier, WAKOL PU 280 Polyurethane Primer must be applied in two layers using a criss-cross method. Each layer must form a thin closed film. The direct bonding work should be completed after the primer has dried and within a 72-hour period, or alternatively a bonding course should be applied using WAKOL D 3045 Special Primer and the surface should be levelled using a Wakol levelling compound within 24 hours. For more information, please consult our Application Technology department. As an alternative to using the special primer, a third coat of WAKOL PU 280 Polyurethane Primer can be applied and WAKOL S 28 Sprinkling Sand subsequently spread on the surface.

After the primer has been left to dry for at least 2 hours, any excess quartz sand should be swept off and vacuumed up.

Levelling can be carried out using Wakol levelling compounds once the surface is completely set. Primed surfaces can be walked on after approximately 40 - 50 min.

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Within 72 hours, bonding work can be carried out directly on the dried WAKOL PU 280 Polyurethane Adhesive using Wakol MS or PU adhesives.

Important

Processing not below floor temperature of +15 °C and room temperature of +18 °C, as well as room humidity preferably between 40 % and 65 %, maximum 75 %. All information is based on approx. 20 °C and 50 % relative air humidity. Warm up all laying materials in due time in heated room.

Do not use the primer on floor coverings such as PVC, CV, rubber or linoleum flooring.

If the humidity is low or higher application quantities are used, this extends the drying time of the reaction resin primer. The surface must no longer be adhesive before work can be continued.

We guarantee the uniform high quality of our products. All data is based on tests and many years of practical experience and refers to standardised conditions. The variety of materials used and the different construction site conditions, which lie beyond our control, preclude any claims based on this data. We therefore recommend making sufficient trials. Accompanying flooring manufacturer's instructions and the currently applicable codes must be observed. We gladly provide technical advice.

The product data sheets can be found in their latest version at www.wakol.com.

This Technical Information of 17.10.2019 supersedes all previous versions.

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