

1-component PUR primer

PALLMANN P104

1-component reaction resin primer for wood flooring and flooring work

PRODUCT DESCRIPTION:

PALLMANN P104 impresses by its spacious field of application. Composition: Moisture-cured, modified polyurethane prepolymers.

AREA OF APPLICATION:

PALLMANN P104 is a ready to use and fast 1-component polyurethane primer without any emollient ingredients. For interior use.

As a barrier primer:

- ▶ on unheated cement screeds or concrete with residual moisture up to 4 CM-% (on heated cement screeds up to 2,5 CM-%) with 2 – 3 layers

As a system primer:

- ▶ prior to installation of wood flooring with PALLMANN reaction resin adhesives

As a strengthening primer:

- ▶ on weak, porous or cracked substrates

As a bonding primer:

- ▶ on dense or open-pored old substrates with adhesive or filler residues (e.g. synthetic resin, neoprene, bitumen, or sulphite blue liquor adhesives)
- ▶ on moisture-sensitive substrates (e.g. chipboard and OSB board, gypsum-based dry screed material)
- ▶ on new mastic asphalt
- ▶ in connection with UZIN PE 280 prior to levelling work with UZIN cement- or calcium sulphate levelling compounds
- ▶ on warm water underfloor heating system
- ▶ for exposure to casting wheels in accordance with DIN EN 12 529
- ▶ for heavy wear in domestic, commercial and industrial locations.



PRODUCT BENEFITS / PROPERTIES:

- ▶ fast drying
- ▶ very good penetration
- ▶ easy roller or trowel application
- ▶ barrier to 4 CM-% / 98 % r. H. (KRL) (according TKB-method)
- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission

TECHNICAL DATA:

Packaging:	plastic container
Packsize:	6 and 12 kg
Shelf life:	at least 9 months
Consumption:	approx. 80 - 150 g/m ² per coat*
Working climate:	at least 15° C on the floor
Curing time:	see chart

*At 20 °C and 50 % rel. humidity



SURFACE PREPARATION:

The substrate must be even, level, sound, dry, free from cracks and free from materials which could impair the adhesion. Check the substrate according to the applicable standards and report any deficiency. Cement and calcium screeds must be abraded and vacuumed off.

For wood flooring work particularly careful testing of the subfloor is recommended. Thoroughly brush, abrade, grind or shot-blast, to remove any weak or soft surface areas or layers reducing the adhesion e.g. old adhesive residues. Thoroughly vacuum off the surface.

Refer to the product data sheets for the products used.

APPLICATION:

1. Before use, the container must be brought to room temperature (20 °C) and must be shaken well.
2. **Prior to wood flooring installation with PALLMANN reaction resin adhesives** on dense or less absorbent substrates, apply PALLMANN P104 with the UZIN Nylon Roller (Art. no: 9394) or a squeegee. The following installation of wood flooring onto primed surface must happen within 72 hours, otherwise sand surface and vacuum. **To strengthen surfaces** that are highly absorbent and not sufficiently sound, PALLMANN P104 is applied in 1 - 2 thin coats to a not foaming film using the UZIN Nylon Roller. **As a barrier primer against residual moisture** a 2-time application with the UZIN Nylon Roller is necessary. Apply the second coat after the first coat is set to foot traffic (approx. 60 min.) and allow to dry for at least one hour. **In case of subsequent filling** before floor covering work the last cured coat has to be primed with UZIN PE 280. After approx. 1 hour can be filled. In case of a seal against residual moisture, it is also necessary to apply PALLMANN P104 twice.
3. Clean the tools immediately after use. Cured adhesive can only be removed mechanically.

APPLICATION TABLE / CURING TIMES:

Substrate	Drying time per coat	Consumption
Prior to installation of wood flooring with PALLMANN PUR-/MSP-/STP-adhesives	at least 1 hour*	approx. 80 – 150 g/m ²
On mastic asphalt prior to direct bonding with PALLMANN P5/P6/P9	at least 12 hours*	approx. 80 – 150 g/m ²
As a moisture barrier up to 2,5 CM-% / 85% R.H. one coat up to 4 CM-% / 95% R.H. two coats	approx. 1 hour*	approx. 150 g/m ² (one coat) approx. 250 - 300 g/m ² (two coats)

*At 20 °C and 50 % rel. humidity

IMPORTANT NOTES:

- ▶ Optimum temperature is 18 to 25 °C with the relative humidity > 35 % and < 65 %. Low temperatures and high humidity will extend the drying time. High temperatures and low humidity will shorten the drying time.
- ▶ Shelf life minimum 9 months in original packaging when stored in dry conditions. Protect from freezing and do not expose to temperatures over 40 °C.
- ▶ Tightly reseal opened containers and use the contents as quickly as possible.
- ▶ When using as a barrier against moisture up to 4 CM %, a 2-coat application is always required. It is not a substitute for a structural damp-proof membrane in accordance with DIN 18 195 part 4.
- ▶ Carry out the subsequent direct bonding with reaction resin adhesives within 72 hours after applying the primer.
- ▶ In the case of high levels of dampness (<4 CM%), use the tried and tested UZIN PE 460 2-component epoxy primer or UZIN PE 480 2-component epoxy damp proof membrane.
- ▶ Generally accepted rules of the trade and technology for laying floor coverings, as well as the applicable national standards (e.g. EN, DIN, VOB, OE, SIA) must be observed.
- ▶ The following standards and notices are applicable and especially recommended: DIN 18365 (Working with floor coverings), Ö-Norm B 2236, DIN 18356 (Working with wood flooring), Ö-Norm B 2218, DIN 18195 (Waterproofing of buildings), TKB notice 8 (Assessing and preparing substrates for covering floors and work with wood flooring), BEB notice (Assessing and preparing substrates).

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free. Non flammable. Contains diphenylmethane-diisocyanate (MDI). Harmful on inhalation. Irritating to eyes, respiratory system and skin. There is limited evidence of a carcinogenic effect for respirable vapours of MDI. Harmful: May cause damage to organs through prolonged or repeated exposure. May cause sensitisation by inhalation and skin contact. Provide good ventilation. Use barrier cream, protective gloves and safety-goggles. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Observe safety information on product label as well as safety data sheet. Once cured, has a neutral odour and presents no physiological or ecological risk.

DISPOSAL:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste. Therefore collect waste material and allow to harden, then dispose as Construction Waste.