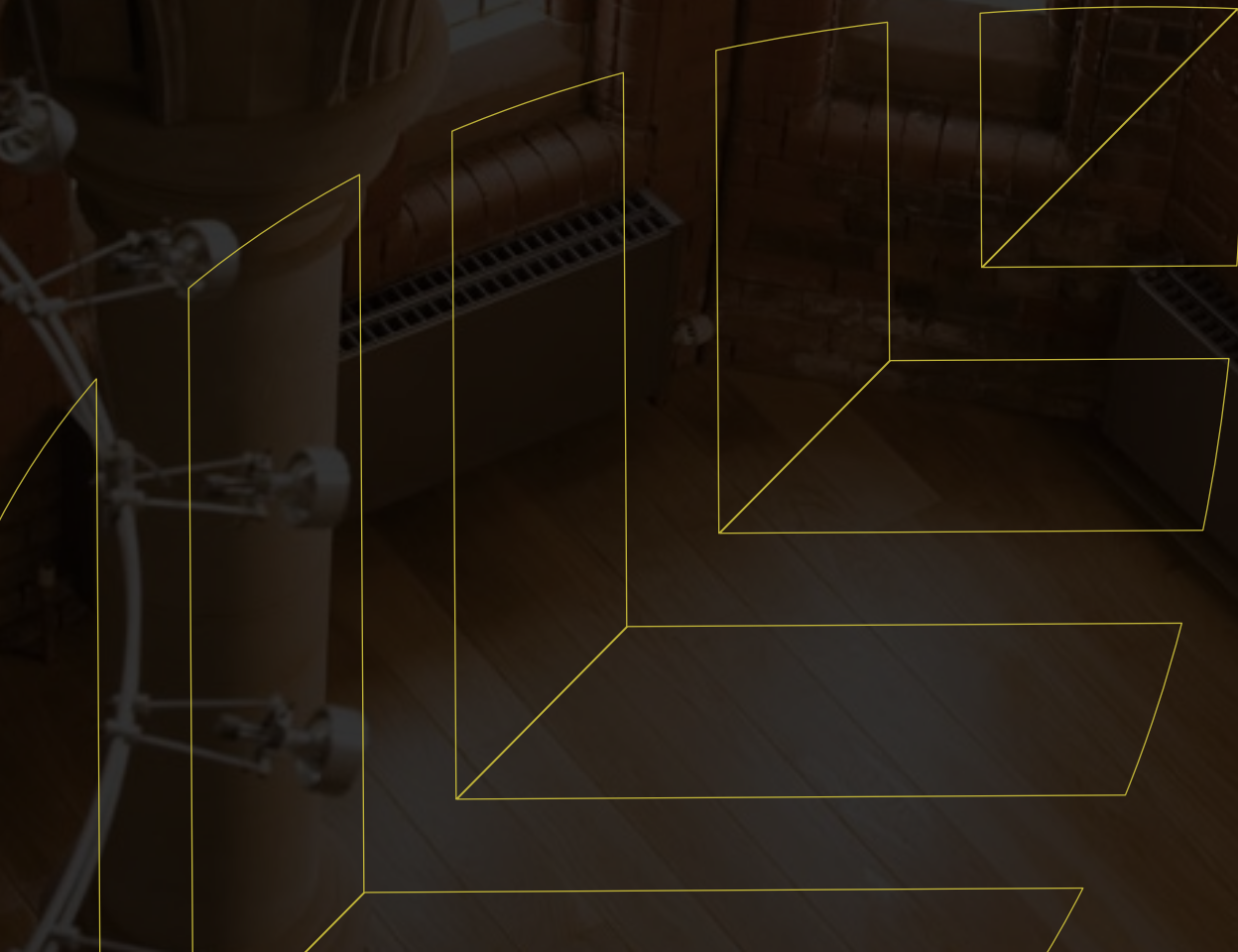
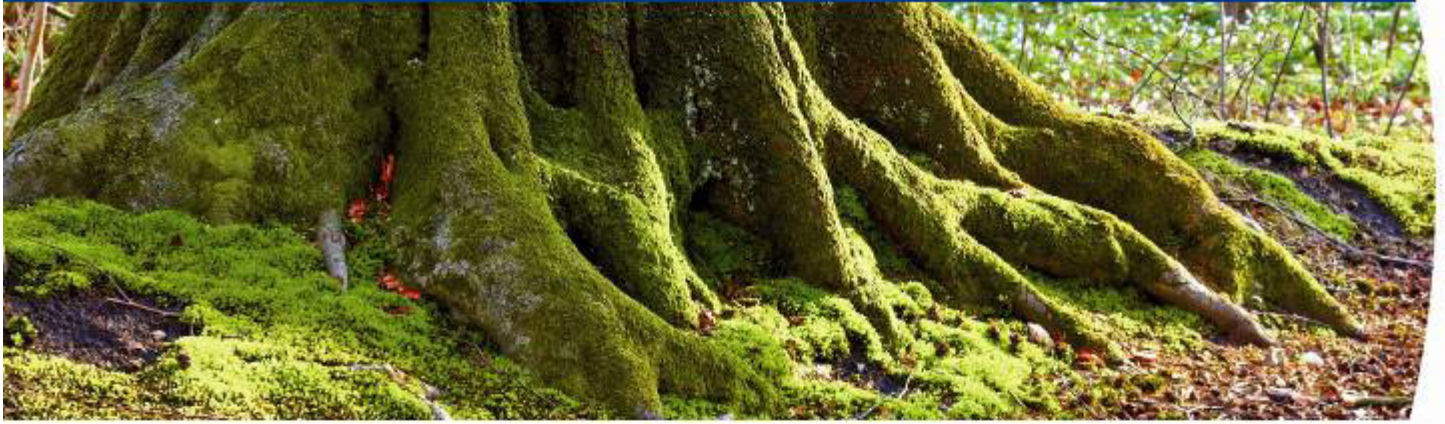


PRODUCT DATA SHEET
PALLMANN P104 GB 1016 01
1-Component polyurethane Rapid Primer





PALLMANN P104

One-component polyurethane DPM and rapid primer for use prior to bonding wood flooring.

Areas of application:

1-component polyurethane rapid primer for use prior to bonding wood flooring with reaction resin adhesives. To be used as a surface strengthener and barrier-coat on absorbent and non-absorbent surfaces and as a barrier primer on moisture-resistant substrates with high residual moisture.

Suitable as a/for:

- a rapid primer prior to bonding wood flooring with P5, P7, P9 on cement,- calcium sulphate- stone-wood-screeds, mastic asphalt, concrete, chipboard, precast concrete, newly installed mastic asphalt flooring and existing surfaces with well-bonded adhesive or smoothing compound residues.
- strengthening of absorbent, mineral substrates such as cement,- calcium sulphate,- magnesia- and stone-wood-screeds, concrete etc.
- leave Pallmann P104 to cure over night on mastic asphalt screed surfaces.
- priming on moisture-sensitive substrates, e.g. on chipboard and OSB boards, as well as gypsum-based precast concrete materials.
- damp proof membrane with 2 – 3 coats on cement-based, moisture-resistant substrates such as cement screeds and concrete, up to a residual moisture content of 4 CM%.
- priming, after grit blinded with UZIN Quartz Sand 0.8, prior to smoothing and leveling work with UZIN compounds.
- Pallmann P104 allows for fast and time-saving installation of bonded wood flooring. The primer cures extremely quickly on the surface, wood flooring can be laid with P5, P7, P9 as soon as the primed surface can be walked on. Curing times: see chart backside
- warm water underfloor heating / in that case however not as a moisture barrier

Product Properties

Ready to use, rapid polyurethane primer. Low viscosity, easy to apply, one-component product, therefore no material is wasted by waste due to mixing more quantity than actually.

- Very rapid curing
- Easy roller or trowel application
- Excellent penetration
- Water-free
- Suitable as a moisture barrier
- Solvent-free
- EMICODE EC1 R PLUS/Very low emission

Technical data:

Packaging:	plastic canister
packsize:	12 kg
Shelf life:	at least 9 months, protect from frost
Colour:	brown
Working temperature:	min. at least 15 °C / 59 °F on the floor level
Consumption:	approx. 80 – 150 g/m ² per coat
Curing times:	see chart backside

Subfloor preparation:

The substrate must be even, level, sound, dry, free from cracks and free from materials which could impair the adhesion. Cement and calcium screeds must be abraded and vacuumed off. Check the substrate according to the applicable standards and report any deficiency. For wood flooring work particularly careful testing of the subfloor is recommended. Thoroughly brush, abrade, grind or shot-blat, to remove any weak or soft surface areas or layers reducing the adhesion e.g. old adhesive residues. Thoroughly vacuum off the surface.

Always allow the primer to dry / cure thoroughly. Refer to the Product Data Sheets for the products which are used.



PALLMANN P104

Processing:

1. Before use, allow the container to acclimatize and shake well. Subsequently, fill the contents in a clean oval bucket.
2. Apply the primer with a suitable roller, e.g. UZIN nylon fibre roller or squeegee to provide an even, thin coverage on the entire surface. Avoid any pooling as otherwise curing may be prohibited or significantly retarded. (In thicker coats, Pallmann P104 forms a skin which strongly delays the curing process). When applying Pallmann P104 in two coats, the second coat must be applied within 48 hours.
3. The product can be used as a quick primer without casting-in quartz sand before bonding the wood flooring with P5, P7, P9 reaction resin adhesives. Also applied with a squeegee or the UZIN nylon fibre roller is sufficient on dense or less-absorbent substrates. Carry out the direct bonding of the wood flooring on the primed surfaces within 48 hours.
4. Pallmann P104 is applied with a UZIN nylon plush roller 1 – 2 times for preparing strongly absorbent and not adequately sound or sanded-off substrates.
5. If used as a moisture barrier up to a maximum of 4 CM% on cement screed surfaces it is necessary to apply a second coat with the UZIN nylon fibre roller with a total consumption of min. 250 -300 g /m². Curing/Revision: Allow the first layer to harden according to accessibility (approx. 60 minutes), and allow the second layer to cure overnight.
6. Priming with following trowel application:
Variant A: On the cured primer can be primed directly with the "lightning-primer" UZIN PE 280 and troweled after approx. 1 hour. The last coat (still wet) must be immediately and fully scatter-coated with UZIN PERLSAND 0.8 to form a dry excess (approx. 2 – 2.5 kg/m²). After curing (over night), brush and vacuum off any loose sand. When using as a barrier in combination with PERLSAND against moisture up to 4 CM%, a 3-coat application is always required.
7. Clean the tools immediately after use. Cured adhesive can only be removed mechanically.

Important notes:

- Minimum shelf life is 9 months when stored in moderately cool conditions. Tightly re-seal opened packages and use up the contents quickly. Before use allow the primer to acclimatise.
- Optimum application: The product best processed at a room temperature of between 18 – 25 °C / 64 – 77 ° F and a floor temperature of at least 15 °C / 59° F. Low temperatures lengthen, whilst high temperatures shorten the drying time.
- 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.
- On strongly absorbent substrates, a second coat should be calculated into the work in advance.
- Carry out the subsequent direct bonding with reaction resin adhesives within 48 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.
- Pallmann P104 is also suitable for blocking off odours relating to screed surfaces/old substrates. (2 x coat)
- Kindly refer to locally applicable standards. In Germany for instance the following standards and bulletins are applicable and especially recommended:
 - DIN 18 356 'Work involving parquet/wood flooring'
 - TKB notice 1 'Bonding parquet/wood flooring' 03/2007
 - TKB notice 8 'Assessing and preparing substrates for covering floors and work with parquet/wood flooring' 06/2004
 - BEB notice 'Assessing and preparing substrates' 10/2008

Application table/Curing times:

Substrate	Drying time per coat	Consumption
Dense to slightly absorbent surfaces, e.g. calcium sulphate screed, prior to direct bonding with reaction resin adhesives. (P7/P9)	min. 60 minutes	approx. 80 - 150 g/m ²
Dense to slightly absorbent surfaces, e.g. calcium sulphate, prior to direct bonding with P5	min. 120 minutes	approx. 80 - 150 g/m ²
Absorbent surfaces, e.g. cement screeds prior to direct bonding with P5/P7/P9	Min. 12 hours (cure over night)	approx. 80 - 150 g/m ²
Existing surfaces with well-bonded adhesive residues, e.g. cement-screeds or other strongly absorbent substrates	60 -90 minutes	approx. 80 - 150 g/m ²

*at 20 °C and standard climatic conditions

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. May cause sensitisation by inhalation and skin contact. Use barrier cream, protective gloves and safety-goggles. Provide good ventilation. 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. Does not contaminate the indoor air quality with either formaldehyde or other volatile compounds. EMICODE EC 1 R PLUS – very low emission.

Disposal:

Where possible, collect product residues and re-use. Do not allow into drains, water courses or landfill. Empty, drip-free plastic containers are recyclable. Containers with liquid residues, as well as collected, liquid product residues, are Special Waste. Containers with dried residues are Construction Waste. Therefore collect waste material and allow to harden, then dispose as Construction Waste.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer.

The publication of this Product Data Sheet invalidates all previous product information. The respective updated version of this datasheet can be found on our homepage under www.pallmann.net





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