



PALL-X 96

Water-based, 1-part polyurethane sealer for heavy wears wood flooring – and cork flooring

Description:

Water-based 1-part sealer for heavy duty wood flooring in domestic and commercial locations.

Especially suitable for the surface treatment of:

- Sanded wood flooring in heavy wear areas such as, schools, offices and business premises.
- Structural interior decorative wood
- Fully sanded pre-finished wood flooring
- Suitable for use on warm water underfloor heating systems
- Nature cork untreated

Note:

In principal, it is best to prime before sealing so as to avoid the detrimental effects of edge bonding or rafting of the wood flooring sections, this applies especially to woodblocks, on-edge parquet, planed boards and generally to wood flooring on warm water underfloor heating systems.

Product Properties /Benefits:

Water-based acrylate-PU wood flooring sealer with good resistance to mechanical wear and chemical attack.

- Ready to use
- Easy to apply
- Roller application
- Excellent filling capacity
- Very rapid drying
- High wear resistance

Technical Data:

Packaging:	plastic canister
Packsizes:	5 and 10 litre
Shelf life:	min. 12 months
Lustre value:	matt, semi-matt, gloss
Colour:	white-opaque
Consumption per coat:	approx. 100 – 130 ml/m ²
Working temperature:	18 – 25 °C
Touch dry:	after approx. 1 hour*
Set to foot traffic:	after approx. 1.5 hours*
Ready for sanding:	after approx. 2 hours*
Final strength:	after approx. 12 – 14 days*
* 20 °C and 65% rH.	



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Surface Preparation:

Once the flooring has been correctly installed, and after any required drying and curing times for adhesives has been met, the following minimum preparation must be carried out. The floor must be free from dirt, oil, wax and silicone. Pre-sand the surface using a drum sander fitted with Pallmann ABRASIVE GRADE 36 to 60 grit. Then fill the joints with PALL-X or UNI-KITT mixed with fine sanding dust. Sand with Pallmann ABRASIVE GRADE 100 grit (using a drum sander) where there is a demand for a very high quality surface finish; sand again using the Pallmann ABRASIVE GRADE 120 grit using a rotary sanding machine. After the final sanding, the floor must be clean, dry and free from sanding dust and contamination. Then use a suitable Pallmann primer according to the substrate type and the occupational use. Do not sand the primer. The following application of sealers must be within 18 hours after the primer is applied.

Subfloor preparation nature cork untreated:

The surface treatment can be started after complete hardening of the adhesive. Carry out preliminary sanding using a Rotary machine with Pallmann MESH SCREEN 120 (or Multi hole pads). The surface to be sealed must be clean, dry and free of dust and impurities after the sanding part. Nature cork has to be sealed without a primer!

Application:

1. Before use, allow the containers to come to room temperature and shake well, then decant the contents into a clean Pallmann VARNISH BUCKET.
2. Apply a full and even coat of Pallmann PALL-X 96 onto the surface using the Pallmann ROLLER (for water-based lacquers). Apply a minimum of 2 coats. Starting at the edges, then roll alternately across and with the grain. Allow the roller strokes to flow into each other. At the use of PALL-X 96 gloss only the final coat should be gloss finish. In heavy wear areas, a third coat is required. Nature cork untreated has to be sealed with 3 layers of varnish.
3. Drying time until ready for sanding: approx. 2 hours
Drying time for a 3-coat system:
1st coat approx. 2 hours
2nd coat approx. 3 hours
4. Before the final coat, an intermediate sanding with the Pallmann Sanding grid grade 100 – 120 grit is required.
5. After use, clean tools with water.

Consumption:

Recommended quantity per coat: 100 – 130 ml/m²
Coverage per litre per coat: 7 – 10 m²

Important Notes:

- Shelf life minimum 12 months in original packaging when stored in relatively cool conditions. Protect from frost and do not expose to temperatures above 40 °C. Tightly reseal opened containers and use the contents as quickly as possible.
- Optimum conditions are 18 to 25 °C and relative humidity > 35 % and < 65 %. Low temperatures and high humidity lengthen, and high temperatures and low humidity shorten the drying time.
- For non-standard types of timber flooring (exotics), obtain technical advice.
- For fully sanded pre-finished parquet, Pallmann PALL-X 325 primer must be used twice, applied by trowel.
- When re-sealing pre-finished timber floors, please refer to the instructions of the manufacturer and always conduct a bond test.
- After application of the final coat, in moderate wear areas, the surface can be walked on after leaving overnight to dry (in normal climatic conditions).
- Leave freshly sealed surfaces at least 12 – 14 days before covering with carpeting or other floor coverings, or loading with heavy objects.
- Leave freshly sealed surfaces at least 12 – 14 days before maintaining with Pallmann FINISH CARE.
- Regular maintenance with Pallmann FINISH CARE improves the appearance and increases the wear life of the sealed surface.
- The following standards and notices are applicable and especially recommended: DIN 18 356 "Working with parquet".

Protection of the Workplace and the Environment:

Water-based seals have a solvent content of less than 15%. Suitable as a substitute material for high solvent content materials used for parquet surface treatment. During application, the use of barrier cream, as well as ventilation of the work areas, is recommended.

Disposal:

Where possible, collect product residues and re-use. Do not allow into drains, watercourses or landfill. Empty, drip-free plastic or metal containers are recyclable. Containers with liquid residues and liquid waste product are Special Waste. Containers with hardened residues are 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

