

1K PALLMANN VARIOTEC 2K

PALL-X EXTREME

Water-based, one- and two-component wood floor lacquer for very heavy wear wood flooring

Description:

Water-based one- and two component lacquer for heavy wear wood flooring. To apply also with addition of the hardener in very heavy areas.

Especially suitable for the surface treatment of:

- Sanded parquet and wood flooring in very heavy wear areas such as e.g. schools, offices, business premises, etc.
- Wooden constructional elements for interior use
- Woodblocks RE
- Suitable for use on underfloor heating systems

Note:

In principal, it is best to prime before sealing so as to avoid the effect of edge bonding or rafting of the wood flooring sections. This applies especially to on-edge parquet, planed boards and generally to wood flooring with underfloor heating systems.

PALL-X EXTREME one-component and as well two-component must not be recoated with other lacquers.

Product Properties / Benefits:

Pall-X EXTREME can be used on all common types of wood very flexible - with and without hardener.

- very flexible to use
- as a 2 component version also in very heavy areas applicable
- easy to use
- excellent filling capacity
- very resistant to abrasion
- resistant to extremely high degrees of chemical wear (2 comp.)
- very resistant against kick- and burnt tracks

Technical Data:

Packaging:	plastic canister
Master batch:	5 L
Hardener:	0,5 L
Shelf life:	min. 12 months
Gloss level:	semi-gloss, matt
Color:	transparent/opal
Consumption per coat:	approx. 100 ml/m ²
Working temperature:	18 – 25 °C
Mixing ratio:	10:1
Working time on two component system:	approx. 4 hours
Ready for sanding:	after 4 hours*
Further Coats:	after approx. 4 hours*
Final strength:	after approx. 8-10 days without hardener. With hardener approx. 4 days*

* under normal climatic conditions.



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Surface Preparation:

Pre-sand the surface using a drum sander fitted with Pallmann ABRASIVE GRADE 36 to 60 grit. Then fill the joints with PALL-X KITT mixed with fine sanding dust. Sand with Pallmann ABRASIVE GRADE 100 grit (using a drum sander). The last final sanding part is recommended with the Pallmann ABRASIVE GRADE 120 grit (Multihole) 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 and do not let the primer dry over night.

Processing:

1. Before use, bring both containers to room temperature and shake well.

Processing with hardener:

2. Decant the content A into a clean bucket (Pallmann bucket), then add component B (hardener) and mix immediately with a suitable rotary stirrer thoroughly. After decantation we recommend to let react the varnish approx. 10 min., to guarantee a steady application behaviour
3. Apply a full, even coat of Pall-X EXTREME onto the surface using the Pallmann WL application roller (for waterbased finishes). Apply a minimum of 2 coats. Begin at the edges, alternately across and then with the grain. In heavy wear areas, a 3rd coat should be applied.
4. **Sealing of large areas:** To avoid differences in sheen level, we recommend that several bottles are filled into a larger container, mix this thoroughly (mechanically) and ensure during processing that the complete area is applied in the same layer thickness. For 2-component lacquer-systems, make sure that the quantity mixed, can be applied within the open time.
5. Drying time until ready for sanding: approx. 4hours.
6. Before the final coat, an intermediate sanding with the
7. Pallmann Multi hole pad grit 120 is required.
8. Clean tools after use with water.

Consumption:

Recommended quantity per coat: approx. 100 ml/m²

Coverage per litre per coat: approx. 10 m²

Important Notes:

- After the addition of the hardener, the container must not be resealed to avoid the risk of excessive expansion of mixed product.
- Shelf life minimum 12 months in original packaging when stored in dry conditions. Protect from frost and do not expose to temperatures over 40 °C.
- Optimum conditions are 18 to 25 °C and relative humidity > 40 % and < 65 %. Low temperatures and high humidity lengthen, high temperatures and low humidity shorten the drying time.
- In principle, do not apply more than 2 coats in one day.

Important Notes:

- On fully sanded pre-finished wood flooring the primer Pall-X 325 must be applied twice by using a trowel.
- 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.
- With an intermediate drying time of more than 1 day a full surface matte cross section (grain 100 - 120) must be accomplished.
- For non-standard types of parquet timber (exotics), obtain technical advice.
- Leave freshly sealed surfaces at least 7 days before covering with carpeting or other floor coverings, or loading with heavy objects.
- Leave freshly sealed surfaces at least 7 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 surface has to be maintained thinly. (not wet!)
- The following standards and notices are applicable and especially recommended:
- DIN 18356 "Working with parquet".
- Many exotic woods such as Teak, Ipe Lapacho, Muhuhu, smoked Oak or Wenge as well as softwoods contain ingredients (e.g. so-called inhibitors, resins or mineral storages) which can lead to significant drying delays, wetting disturbances or colour changes. On account of the variety and different qualities of these woods, the species should be established and testing carried out before coating.

Protection of the Workplace and the Environment:

Water-based seal with linking agent containing isocyanate, solvent content less than 15%. Suitable as a substitute material for high solvent content materials used for parquet surface treatment. Component A: Requires no special protection or precautions in general use. Component B: Contains pre-polymerised isocyanate. Harmful if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. Avoid contact with skin or contact with eyes. 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. Use barrier cream, protective gloves and safetygoggles. Provide good ventilation. 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 into drains, watercourses or landfill. Empty, drip-free plastic 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

