

1K-parquet flooring finish



# Pall-X Nano

1K-parquet flooring finish for heavily used parquet flooring

## Description:

Water-based 1K-parquet flooring finish for heavily used parquet flooring, including industrial areas.

Suitable for the surface treatment of:

- sanded parquet and wood flooring in heavily used areas such as schools, offices, business premises, concert halls
- wooden interior surfaces
- fully sanded engineered parquet flooring
- suitable for use with underfloor heating

## Note:

The surface should be primed before finishing in order to reduce harmful lateral gluing of the parquet elements; this applies particularly to RE-V and RE-W wood plaster, on-edge parquet, planed boards and in general for parquet over underfloor heating.



## Product Properties / Benefits:

Water-based 1K-parquet flooring finish of the latest generation with good resistance to high mechanical stresses. The use of nano-technology produces a scratch-proof surface which is also dirt-repellent.

- Ready for use
- Easy to work
- Good filling properties
- Very fast drying
- Can be applied by roller
- NMP-free

## Technical Data:

Packaging:	Plastic canister
Packsizes:	5 litre
Shelf life:	At least 12 months
Gloss level:	semi-gloss, extra-matt
Colour:	Opaque white
Consumption per coat:	100 – 130 ml/m <sup>2</sup>
Working temperature:	18 – 25 °C
Dust-dry:	after approx. 45 min.*
Set to foot traffic:	after approx. 3 hrs.*
Ready for sanding:	after approx. 4 hrs.*
Set to final strength:	after approx. 8 days*

\* Under normal climatic conditions.

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gets to the point.

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## Surface Preparation:

The substrate treatment can be started after complete hardening of the adhesive. Carry out preliminary grinding using a belt sanding machine (e.g. from Frank) with Pallmann abrasive paper, 36 to 60 grit. Then fill in the joints using Pallmann Pall-X Kitt. Then sand again with Pallmann abrasive paper, 100 grit (belt sanding machine). The last fine sanding is carried out using Pallmann abrasive disk, 120 grit (single disk machine). Following the final fine sanding, the surface to be sealed must be clean, dry and free of dust and impurities. Then apply a Pallmann primary treatment suitable for the undersurface and application area. All primary treatments must not dry overnight or be sanded.

## Application:

1. Allow the container to come up to room temperature before use, and shake well, then empty the contents into a clean bucket.
2. Apply Pall-X Nano using a Pallmann application roller (for water-based finishes) evenly and generously to the primary treatment. At least 2 coats must be applied. Always begin at the edge, applying alternately first at right angles to the grain and then in the direction of the grain. Allow the strips to flow into each other. In areas subject to higher stresses, a 3rd layer should be applied.
3. Drying time until ready for sanding: approx. 3 hours  
Drying time for 3-coat application: 1<sup>st</sup> coat approx. 3 hours;  
2<sup>nd</sup> coat approx. 4 hours
4. Before the last application, intermediate sanding with Pallmann abrasive disk, 120 grit, is required.
5. Clean tools after use with water.
6. For longer useful life of the sealed wood flooring, we recommend regular care in accordance with the manufacturer's instructions using Pallmann "Vollpflege/Finish Care" and maintenance cleaning with Pallmann "Neutraleiniger/Clean". The exact care intervals should be taken from the Pallmann care instructions for sealed wood flooring.

## Consumption Data:

Recommended quantity per application coat: 100 – 130 ml/m<sup>2</sup>  
Coverage per litre: 7 – 10 m<sup>2</sup>

## Important Notes:

- May be stored in original container in cool conditions for at least 12 months. Protect against frost and do not expose to temperatures above 40 °C. Reseal opened containers carefully and use contents as quickly as possible.
- Best applied at temperatures of +18 °C to +25 °C, relative air humidity > 35 % and < 65 %. Drying time will be increased by low temperatures and high air humidity, and reduced by high temperatures and low air humidity.
- In case of unusual types of wood flooring (exotic woods), application technology advice should be obtained.
- In case of subsequent sealing of finished parquet flooring, please follow the instructions of the parquet flooring manufacturer, and always carry out adhesion tests.
- In case of medium loads, the surface is set to foot traffic following application of the last coat after drying overnight.
- In case of fully sanded engineered board, the primary treatment Pallmann Pall-X 325 must be applied twice using a trowel or the primary treatment Pallmann Allbase must be applied 2x using a roller.
- Freshly sealed areas should not be covered with carpets or other floor coverings or loaded with heavy objects for at least 8 days.
- Freshly sealed areas should be treated with Pallmann "Vollpflege/Finish Care" after 8 days.
- Regular maintenance care with Pallmann "Vollpflege/Finish Care" will improve the appearance and increase the durability of the sealed surface. Clean the area only with a damp mop (not wet!), avoid standing water.
- In addition to all applicable standards, guidelines and data sheets, the following should also be observed: DIN 18 356 "Parquet flooring work" DIN 18 367 "Wood plastering work" and DIN 68 702 "RE-V/RE-W".

## Protection of the Workplace and the Environment:

Water sealant, solvent content less than 15%. Suitable as a replacement for high-solvent-content wood flooring surface treatment agents. The use of a skin protection cream and good ventilation of the working area is recommended during application.

## Disposal:

Collect product remains and use wherever possible. Do not allow the product to get into the drainage system, water or ground. Completely emptied, drip-free plastic containers can be recycled [DSD]. Containers with liquid remains and collected liquid product remains are special waste. Containers with hardened remains are construction site waste.

This information is based on our experience and careful investigations. The variety of other materials used, together with the different construction site and application conditions cannot however be checked or catered for in all cases. The quality of your work therefore depends on proper assessment of the construction site and use of the product. In case of doubt, carry out your own tests or seek technical advice. The laying instructions of the flooring manufacturer must be observed.

This product data sheet replaces all previous data sheets for the product.



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