

# Product Data Sheet

2-component wood sports floor lacquer

# PALL-X SPORT 2K

Water-based 2-component wood floor lacquer for very heavy use areas in sports facilities

## PRODUCT DESCRIPTION:

Water-based 2-component wood floor lacquer for heavily used wood floors in sports facilities. PALL-X SPORT 2K achieves the coefficient of sliding friction according to DIN 18032 and EN 14904 and corresponds to ÖNorm 2354 stress category C.

## AREA OF APPLICATION:

For very heavy use wood flooring in sports halls.

## SUITABLE FOR:

- ▶ wood floors in sports halls
- ▶ wood floors in multi-purpose halls



## PRODUCT BENEFITS / PROPERTIES:

- ▶ very high resistance to extreme mechanical and chemical wear
- ▶ very good levelling capacity
- ▶ fast drying and final strength
- ▶ high elasticity
- ▶ extreme high abrasion resistance
- ▶ corresponds to TRGS 617
- ▶ Water-based seal with linking agent containing isocyanate, solvent content less than 5 %.
- ▶ EMICODE EC 1 PLUS / Very low emission

## TECHNICAL DATA:

Packaging:	plastic container
Packsize:	4,5 + 0,45 l
Shelf life:	at least 12 months
Gloss level:	semi-gloss
Mixing ratio:	10 : 1
Consumption per coat:	approx. 100 ml/m <sup>2</sup>
Coverage:	approx. 10 m <sup>2</sup> /litre
Working climate:	between 18 – 25 °C and 35 – 65 % relative humidity
Pot life:	approx. 4 hours*
Ready for sanding:	after approx. 4 hours*
Further coats:	after approx. 4 hours*
Final strength:	after approx. 7 days*

\*At 20 °C and 50 % rel. humidity.

## SURFACE PREPARATION:

The surface to be sealed must be clean, dry, free of impurities and sanded in accordance with the recognized industry standard. In principle, it is best to prime before sealing so as to avoid the detrimental effects of edge bonding or rafting of the wood flooring sections.



## APPLICATION:

1. Before use, both containers must be brought to room temperature (20 °C) and must be shaken well.
2. Pour Component A into a clean bucket, add Component B (hardener) and immediately blend thoroughly using suitable mixing equipment. Alternative: Thoroughly shake Component A and then add Component B. Immediately shake the container vigorously for 2 minutes (rotating motion) in order to ensure even distribution of the hardener and allow to rest for 10 – 20 minutes – afterwards shake the container again vigorously for 2 minutes and put the attached filter in the neck of the plastic container.
3. Apply a full and even coat of PALL-X SPORT 2K onto the surface using the APPLICATION ROLLER WATERBASED UNIVERSAL 11MM/25CM for water-based lacquers. Apply a minimum of 2 coats. Starting at the edges, then apply alternately across, and with the grain. In heavy wear areas, a third coat is required.
4. **Sealing of large areas:** We recommend that in order to avoid differences in sheen level, it is best to mix several buckets into a larger container, to form one batch. Mix this thoroughly initially (mechanical) and then during the coating process., Careful and systematic application is essential to ensure that the complete area has the same product 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. 4 hours.
6. Before the final coat, an intermediate sanding with the PALLMANN ABRASIVE GRID or PALLMANN POWER PAD grit 120 is required.
7. After use, clean tools with water.

## 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.
- ▶ Many exotic woods such as Teak, Ipe Lapacho, 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. Due to the variety and different qualities of these woods, the species should be established and testing carried out before coating.
- ▶ Shelf life minimum 12 months in original packaging when stored in dry conditions. Protect from freezing and do not expose to temperatures over 40 °C.
- ▶ After adding the hardener do not re seal the container to avoid the risk of excessive expansion of mixed product.
- ▶ In principle, do not apply more than 2 coats in one day.
- ▶ After application of the final coat, allow surface to dry overnight before walking on.
- ▶ If left to dry for more than one day, a careful, full-surface matt sanding (grain 120) must be carried out.
- ▶ 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 / FINISH CARE STOP.
- ▶ Regular maintenance with PALLMANN FINISH CARE / FINISH CARE STOP improves the appearance and increases the wear life of the sealed/oiled surface. Only damp (not wet). Avoid standing water.
- ▶ The following standards and notices are applicable and especially recommended: DIN 18356 "Working with parquet and woodblocks", DIN 18032 "Sliding friction coefficient of sports floors", and DIN EN 14904 „Sports floors, multipurpose sports hall floors“.

## PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Water-based seal with linking agent containing isocyanate, solvent content less than 5 %. 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. Both components: Provide good ventilation during and after use. Use barrier cream and protective gloves / goggles. 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. 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, mix both components and allow to harden, then dispose as Construction Waste.