

2-Component PUR Project Wood Flooring Adhesive

UZIN MK 91

Hard, shear-resistant adhesive for solid and engineered wood flooring

MAIN APPLICATION FIELD:

- ▶ mosaic wood flooring (8 mm solid wood flooring)
- ▶ on-edge lamella from 16 mm

SUITABLE ON / FOR:

- ▶ calcium sulphate or cementitious screeds, concrete
- ▶ new P4 - P7 or OSB 2 - OSB 4 boards, screwed
- ▶ existing ceramic and natural stone coverings, terrazzo or similar
- ▶ new mastic asphalt
- ▶ precast screeds, screed boards
- ▶ levelling compounds suitable for wood flooring
- ▶ UZIN insulating and installation underlays suitable for wood flooring
- ▶ warm water underfloor heating systems
- ▶ See extended application



PRODUCT BENEFITS/FEATURES:

UZIN MK 91 is a 2-component project PUR adhesive with long pot life and working time. Its hard adhesive ridge leads to limited wood deformation and lead to a formidable visual appearance. UZIN MK 91 is compatible with all surface treatment systems. The colour of UZIN MK 91 can be adapted to dark wood types by mixing in UZIN Color MK. For interior use.

- ▶ good ridge formation
- ▶ long working time
- ▶ hard adhesive according to ISO 17 178
- ▶ without emollient ingredients



TECHNICAL DATA:

Packaging	Comp. A plastic drum Comp. B plastic bottle
Pack size	A+B 11 kg
Shelf life	min. 12 months
Mixing ratio	A:B = 9:1 parts per weight
Color	beige
Consumption	800 - 1200 g/m ²
Working time	approx. 45 minutes*
Pot life	approx. 45 minutes*
Working time	approx. 90 minutes*
Minimum application temperature	15 °C on ground level
Loadable	after approx. 6 hours*
Grindable	after approx. 24 hours*

*At 20 °C and 65% relative humidity.



EXTENDED APPLICATIONS:

- ▶ strip parquet
- ▶ engineered wood flooring
- ▶ underlays (e.g. Regupol®)

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and free from materials (dirt, oil, grease) that would impair adhesion. Cement and calcium sulphate screeds must be abraded and vacuumed. Test the substrate in accordance with applicable standard or notices and report any deficiencies.

Any adhesion-reducing or unstable layers, e.g. release agents, loose adhesives, compounds, covering or paint residues, etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum loose material and dust.

Sand and clean stone tiles and prime with UZIN PE 460. Depending on the substrate, type of wood flooring and its use, suitable primers and levelling compounds can be found in the UZIN Product Guide.

The datasheets for other used products have to be observed.

APPLICATION:

1. Before use, allow the adhesive to come to room temperature. Mix components A and B as described on the packaging. Ensure good mixing especially in the bottom and wall area of the container since poorly mixed adhesive does not cure.
2. Apply an even coat of adhesive onto the substrate using a suitable notched trowel. Do not apply more adhesive than can be laid with good transfer onto the back of the wood flooring within the working time. Press down the wood flooring element well.
3. Remove residues while fresh with wipes from the UZIN Clean-Box. Hardened adhesive can only be removed mechanically.

CONSUMPTION INFORMATION:

Parquet type	Toothings	Consumption approx. *
Mosaic Wood Flooring	B3	800 - 1000 g/m ²
On-edge lamella from 16 mm	B11	1000 - 1200 g/m ²
Strip Wood Flooring	B11	1000- 1200 g/m ²
Multi-ply wood flooring	B11	1000 - 1200 g/m ²

*At 20 °C and 65% relative humidity, with tempered adhesive buckets.

CONSUMPTION:

Thicknesses	Trowel notch	Consumption
Underlays		
from 3 mm to 5 mm	A2	250 - 320 g/m ²
from 8 mm to 10 mm	B1	500 - 550 g/m ²
more than 10 mm	B2	600 - 650 g/m ²
Sport flooring rubber		
from 4 mm to 10 mm	B1	500 - 550 g/m ²
more than 10 mm	B2	600 - 650 g/m ²

*At 20 °C and 65% relative humidity.

IMPORTANT NOTES:

- ▶ A shelf life of 12 months when stored in moderately cool conditions, in the original packaging. Frost-resistant down to -20 °C. Allow containers to come to room temperature before use.
- ▶ Best applied between 18 - 25 °C, with the floor temperature above 15 °C and relative air humidity below 65 %. Low temperatures and low air humidity lengthen the working and drying time. Whilst high temperatures and high air humidity shorten the working and drying time.
- ▶ The substrate must be even when installing large-size elements. Observe the manufacturer specification if necessary.
- ▶ Minimum thickness of any levelling compound below the adhesive is 2 mm.
- ▶ Observe good drying of the levelling compound.
- ▶ The substructure of wooden floors must be dry. Adequate ventilation or rear-ventilation must be provided, e.g. by removing the existing expansion strip or by installing special skirtings with ventilation holes.
- ▶ Mastic asphalt screeds must be well sanded and have a continuous and sufficiently wide perimeter joint. Obtain application advice for old mastic asphalt screeds.
- ▶ Please obtain UZIN technical advice when closing joints on underfloor heating systems in combination with UZIN RR 203.
- ▶ Thickened hardener cannot be used anymore!
- ▶ Do not mix part quantities!
- ▶ The colour of UZIN MK 91 can be adapted to dark wood types by mixing in UZIN Color MK. Observe the details on the packaging and the product data sheets.
- ▶ Observe standard wood humidity.
- ▶ Observe adequate and uniform distance to rising components, depending on type of wood flooring and room size.
- ▶ Ready for grinding and surface treatment after 24 hours (suitable products on www.pallmann.net), with standard wood humidity, air humidity and sufficient acclimatised wood flooring.
- ▶ Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring in respective of the applicable national standards (e.g. EN, DIN, VOB, ÖNORM, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission
- ▶ European Model EPD
- ▶ Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

COMPOSITION:

Polyurethane composed of polyols and polyisocyanate.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free. Non flammable. Comp. A: Requires no special protection or precautions in general use. Comp. B: 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. Harmful: May cause damage to organs through prolonged or repeated exposure. May cause sensitisation by inhalation and skin contact. Provide good ventilation. Use barrier cream, protective gloves and safety-goggles. 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.