

1-Component PU Wood flooring Adhesive

UZIN MK 95

Solvent- and water- free, hard-elastic adhesive for wood flooring

Description:

1-component polyurethane adhesive with hard-elastic adhesive ridges for all usual types of wood flooring, rapid-setting, also specially suitable for the installation of moisture-sensitive timbers and sizes.

Suitable for:

- ▶ stab wood flooring
- ▶ mosaic wood flooring
- ▶ on-edge wood flooring
- ▶ multi-ply and pre-finished wood flooring
- ▶ solid boards

Suitable for use on surfaces with adequate strength, cement- and calcium sulphate- screeds, concrete, chipboard V100, all UZIN insulating underlays that are suitable for wood flooring and on warm water underfloor heating systems.

In accordance with TRGS 610, the use of solvent-based adhesives is becoming more and more restricted and, for wood flooring, water-based dispersion adhesives often have only limited uses, therefore:

UZIN MK 95 hard-elastic wood flooring adhesive – solvent-free, water-free and fast – the technically reliable alternative for almost all types of wood flooring and subfloor.

Product Properties / Benefits:

1-component PU adhesive, rapid-setting yet with sufficient working time. Solvent- and water- free, no swelling effect on the wood flooring. The hard-elastic adhesive trowel-ridges secure the wood flooring to the substrate and therefore limit any potential deflection in the wood.

The rapid setting and curing of the adhesive allow wood flooring surfaces to be sanded only approx. 24 hours after installation. Wood flooring flooring work can be completed with optimum efficiency.

UZIN MK 95 stays hard-elastic, has a stress-relieving effect and reduces the transfer of shear forces to the substrate.



Binders: Moisture-cured polyurethane pre-polymers.

- ▶ Very easy to spread
- ▶ High suction adhesion
- ▶ Good ridge formation
- ▶ Rapid grab
- ▶ Hard-elastic adhesive ridges
- ▶ Very rapid setting
- ▶ Universal applications
- ▶ Adhesive residues can be removed from the wood flooring
- ▶ Water-free
- ▶ Solvent-free
- ▶ EMICODE EC 1 R/Very low emission

Technical Data:

Packaging:	plastic drum
Packsize:	16 kg
Shelf life:	min. 6 months
Colour:	beige
Consumption:	approx. 1000 g /m ²
Working temperature:	min. 15 °C / 59 °F at floor level
Open time:	none*
Working time:	50 – 60 minutes*
Load bearing:	after approx. 24 hours*
Sanding / sealing:	after approx. 24 hours*
Final strength:	after 3 – 5 days*

*At 20 °C / 68 °F and 65 % relative humidity.

Substrate Preparation:

The substrate must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion.

Cement- and calcium sulphate- screeds must be sanded and vacuumed as a special and chargeable service, either as a finishing process by the screed installer or as a chargeable special treatments by the wood flooring installer.

Test the substrate in accordance with applicable standards and notices and report any deficiencies. For wood flooring work, especially careful substrate examination is recommended.

Thoroughly brush, abrade, grind or shot-blast to remove weakly-bonded or soft surface areas. Thoroughly vacuum off any loose material and dust.

Prime absorbent and porous surfaces with 1-Component PU Rapid Primer UZIN PE 414 Turbo, 2-Component Epoxy Reaction Primer UZIN PE 420 or 2-Component Epoxy Sealer-Primer UZIN PE 460. Observe the drying times.

On substrates that conform to standards and that are suitable for installation of wood flooring, the use of a primer is not essential.

Primer very uneven or very rough surfaces with universal primer UZIN PE 360 and apply wood flooring levelling compound UZIN NC 174 to min. 3 mm thickness or rapid levelling compound UZIN NC 172 to min. 2 mm thickness in order to achieve improved surface levels according to manufacturer's requirements.

Refer to the Product Data Sheets for other products used.

Application:

1. Before use, allow containers to come to room temperature, After opening, peel off the plastic film from the adhesive surface and remove any adhesive skin – do not mix in. Apply the adhesive evenly onto the surface using a suitable notched trowel. Only apply as much adhesive as can be covered within 50 – 60 minutes.
2. Lay the wood flooring into the adhesive with a light pushing movement and then press well down or roll. Ensure full adhesive transfer to the underside of the wood flooring.
3. Between walls and the wood flooring, form a gap of 10 – 15 mm using wedges. Remove the wedges immediately on completion of installation.
4. Note: remove adhesive contamination immediately using cleaning cloths UZIN Clean-Box or with careful use of special thinners UZIN VE 124. Hardened adhesive can be completely removed from the wood flooring surface.

Consumption:

Type of wood flooring	Trowel Notch	Consumption
Mosaic wood flooring	B3	800 – 1000 g/m ²
On-edge wood flooring	B3	800 – 1000 g/m ²
Stab / multi-ply wood flooring	B11	1000 – 1200 g/m ²

Important Notes:

- ▶ Shelf life minimum 6 months in original containers when stored in cool, dry conditions. Protect from frost. After opening, peel the plastic film from the surface. Re-seal opened containers with the plastic film and use as quickly as possible.
- ▶ Optimum installation conditions are 18 – 25 °C/64 – 77 °F, floor temperature above 15 °C/59 °F and relative humidity below 75 %. By maintaining wood and air humidity according to standards and with adequate acclimatisation of the wood flooring, the flooring can be sanded and sealed after only 24 hours, e.g. with Pallmann wood flooring lacquers (www.pallmann.net).
- ▶ Alcohols, such as methanol, ethanol, ethyl alcohol, spirits of wine, etc. as well as alcohol vapour, can disturb the setting of UZIN MK 95 or, with concentrated exposure, prevent it. Therefore, when applying UZIN MK 95, keep clear of alcohol-containing products such as cleaning agents, thinners and synthetic resin adhesives.
- ▶ Caution: installation of wood flooring that is not dry according to standards can, in cases of high increase in air humidity, lead to damage from swelling.
- ▶ The following standards and notices are applicable and recommended:
 - DIN 18 356 "Working with wood flooring"
 - publication by the Adhesives Industry Association „Bonded wood flooring"
 - publication by the ZDB "Resilient and textile floor coverings and wood flooring on heated floor constructions"
 - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation" 06/2004
 - BEB publication "Assessment and preparation of substrates" 02/2002

Protection of the Workplace and the Environment:

Solvent-free. Non flammable. Harmful. Contains diphenylmethane-diisocyanate. Harmful on inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact. Use barrier cream, protective gloves and safety-goggles. Provide good ventilation. 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, presents no physiological or ecological risk. Does not contaminate the indoor air quality with either formaldehyde or other volatile compounds. EMICODE EC 1 R – very low emission.

Disposal:

Where possible, collect product residues and re-use. Do not empty into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residues are special waste, those with mixed and cured residues are Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.