

2-Component PUR Wood Flooring Adhesive

UZIN MK 92 S

Hard, shear-resistant and quick-setting universal adhesive for all types of wood flooring

Applications:

2-component PUR wood flooring adhesive with hard, shear-resistant adhesive ridge, for universal use of all types of wood flooring as well as all UZIN insulating underlays suitable for wood flooring. For interior applications.

Main area of application:

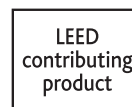
- ▶ Mosaic wood flooring (8 mm solid wood flooring)
- ▶ Edge-laid strips
- ▶ Wood block flooring
- ▶ Solid wooden flooring
- ▶ 10 mm solid wood flooring
- ▶ End grain RE/WE

Extended area of application:

- ▶ Multi-ply wood flooring
- ▶ Multi-ply wooden flooring
- ▶ Laminate

Suitable for use on:

- ▶ Cementitious screeds, calcium sulphate screeds or concrete
- ▶ new, firmly screw-fixed chipboard P4 – P7 or OSB 2 – OSB 4 panels
- ▶ Existing ceramic and natural stone coverings, Terrazzo or similar
- ▶ new mastic asphalt (screeds)
- ▶ Precast screeds, gypsum fibre boards
- ▶ levelling compounds suitable for wood flooring
- ▶ UZIN insulating and installation underlays suitable for wood flooring
- ▶ Hot water underfloor heating



Product properties / benefits:

UZIN MK 92 S is the problem solver in the wood flooring adhesive area. Its superb adhesive properties allow its universal use. The product does not contain any emollient ingredients. The wood flooring can be sanded already after 6 hours. Wood flooring cannot be installed any faster and more reliably.

Composition: Polyurethane from polyolene and polyisocyanate (MDI).

- ▶ Universal use
- ▶ Excellent ridge formation
- ▶ Rapid setting
- ▶ Hard adhesive in accordance with ISO 17 178
- ▶ Harmonises with all wood flooring lacquers, oil / waxes and does not contain any emollient ingredients
- ▶ Solvent-free
- ▶ EMICODE EC 1 R PLUS/very low-emission

Technical specifications:

Packaging:	Plastic combination pack
Pack sizes:	A/B 10 kg, A/B 6 kg, A/B 2.5 kg
Shelf life:	min. 12 months
Colour:	beige
Consumption:	800 – 1200 g/m ²
Working temperature:	min. 15 °C at ground level
Mixing ratio:	A : B 7.8 : 1 parts by weight
Pot life:	approx. 30 minutes*
Installation time:	approx. 60 minutes*
Ready for load-bearing:	after approx. 2 hours*
Sanding:	after approx. 6 hours*

* At 20 °C and 65 % relative humidity.

Substrate preparation:

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

Any adhesion-reducing or unstable layers, e.g. release agents, adhesives, compounds, covering or paint residues, etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum off loose material and dust. Sand and clean stone tiles and prime with UZIN PE 460.

Depending on the substrate, type of wood floor covering and strain, suitable primers and/or levelling compounds can be taken from the UZIN product overview.

The product data sheets of the other products used must be observed.

Application:

1. Allow adhesive to reach room temperature before processing. Mix resin and hardener as described on the pack. Ensure good mixing especially in the bottom and wall area of the container since poorly mixed adhesive does not cure.
2. Apply adhesive uniformly with suitable notched trowel (see "consumption data") onto the substrate. Do not apply more adhesive to the substrate than can be laid with good wetting of the back of the wood flooring within the working time. Press down the wood flooring element well.
3. Remove adhesive residues with cleaning cloths of the UZIN Clean-Box while fresh. Adhesive residues can be removed only mechanically when cured.

Consumption information:

Wood flooring type	Notch size	Consumption*
Wood block, solid boards, long strip wood flooring, end grain RE	UZIN Solid board notched trowel	approx. 1200 g/m ²
10 mm solid wood flooring, multi-ply wood flooring	B 11	1000 – 1200 g/m ²
Mosaic wood flooring	B 3	800 – 1000 g/m ²
Edge-laid strips	B 11	1000 – 1200 g/m ²

*At 20 °C and 65 % relative humidity with room-temperature adhesive containers.

Important notes:

- ▶ Shelf life at least 12 months in original packaging when stored dry in moderately cool conditions. Frost-resistant to –25 °C.
- ▶ Optimum working at 18 – 25 °C, floor temperature over 15 °C and relative humidity below 65 %. Low temperatures and low humidity will delay whilst high temperatures and high humidity will accelerate the installation, setting and drying time.

- ▶ Increased evenness of the substrate must be achieved when installing large-format elements; refer to the manufacturer's specifications, if necessary.
- ▶ The minimum thickness for levelling work is 2 mm.
- ▶ Good drying of the levelling compound must be observed with levelled substrates.
- ▶ 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 skirting with vent openings.
- ▶ Mastic asphalt screeds must be well sanded and exhibit a continuous and sufficiently wide perimeter joint.
- ▶ Thickened hardener can no longer be used!
- ▶ Do not mix partial amounts to avoid mixing errors.
- ▶ Wood moisture conforming to standards must be observed.
- ▶ Adequate and uniform distance must be maintained to rising components according to the type of wood flooring, wood and room size.
- ▶ When standard wood and air humidity are complied with and the wood flooring has sufficiently acclimatized, grinding and surface treatment can be done already after 6 hours, e.g. using suitable Pallmann products (www.pallmann.net).
- ▶ Suitable only for engineered wood floors approved by the manufacturer for full area installation.
- ▶ Observe the generally acknowledged rules of the trade and technology for the installation of wood flooring as well as the respective applicable standards (e.g. EN, DIN, VOB, Ö-Norm, SIA, etc.). The following standards and bulletins, amongst others, represent supporting information and are recommended for special attention.
 - DIN 18 356 "Working with wood flooring", Ö-Norm B 2218
 - DIN 18 357 "Working with end grain"
 - TKB publication "Bonding of wood flooring"
 - Technical bulletin of the Central Association of the German Building Construction Trade (ZDB) "Resilient floor covering, textile floor covering and wood flooring on heated under-floor constructions"
 - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
 - BEB publication "Assessment and preparation of substrates"

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: Harmful on inhalation. Irritating to eyes, respiratory system and skin. There is limited evidence of a carcinogenic effect for respirable vapours of MDI. 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, has a neutral odour and presents no physiological or ecological risk. Does not contaminate the indoor air quality with either formaldehyde or other volatile compounds. EMICODE EC 1 R PLUS – 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 plastic containers are recyclable. Liquid residues as well as 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.