

2-Component PU Wood Flooring Adhesive

# UZIN MK 92 S

Solvent- and water- free 2-component polyurethane adhesive for wood flooring

## Description:

2-component polyurethane adhesive in accordance with DIN EN 14293 for all types of wood flooring, especially for moisture sensitive timbers and formats as well on UZIN insulating underlays that suitable for wood flooring.

Amongst others suitable for:

- ▶ stab wood flooring
- ▶ mosaic wood flooring
- ▶ on-edge wood flooring
- ▶ 10 mm solid wood flooring
- ▶ wood-plank and on-end wood flooring
- ▶ multi-ply and pre-finished wood flooring
- ▶ woodblocks RE/WE
- ▶ all timbers, including beech, maple and exotic wood
- ▶ laminate flooring (see "Important Notes")

Suitable for use on all normal substrates with perfect strength, e.g. on cement- and calcium sulphate- screeds, mastic asphalt, chipboard, suitable UZIN insulating underlays, as well as on warm water underfloor heating systems.

Solvent-based adhesives are becoming increasingly restricted and water-based adhesives can often only be used conditionally; therefore: UZIN polyurethane wood flooring adhesive – solvent- and water-free, flexible and fast – a reliable and, on balance, economical alternative for any type of wood flooring and substrate.

UZIN MK 92 S is now also available in dark brown colour (10 kg container) especially for dark woods, heat-treated wood and exotic timbers. Name: UZIN MK 92 S dark.

## Product Properties / Benefits:

Paste-consistency, 2-component, reaction resin adhesive produced by mixing Resin A and Hardener B. Solvent- and water- free, therefore with no swelling effect on wood flooring. Draws no moisture from the wood.



Binder Agents: Polyurethane made from polyols and polyisocyanate (MDI).

- ▶ Water-free
- ▶ Very easy to spread
- ▶ Excellent ridge-formation
- ▶ Excellent filling capacity
- ▶ Shrink-free, even in thicker coats
- ▶ Very fast setting
- ▶ Flexible
- ▶ High shear strength
- ▶ A universal wood flooring adhesive
- ▶ Solvent-free
- ▶ EMICODE EC 1 R/Very low emission

## Technical Data:

|                               |  |
|-------------------------------|--|
| Packaging; plastic combi-can: | 2.48 kg A/B  |
| Packaging; plastic combi-can: | 6 kg A/B   |
| Plastic container:            | comp. A: 8.86 kg plastic drum<br>comp. B: 1.14 kg plastic bottle |
| Shelf life:                   | min. 12 months   |
| Colour:                       | beige  |
| Working temperature:          | min. 15 °C/59 °F at floor level                                  |
| Pot life:                     | approx. 30 minutes*  |
| Working time:                 | 40 – 60 minutes*   |
| Sanding / sealing:            | after approx. 6 hours*   |
| Final strength:               | after 3 – 5 days*  |

\* Under normal conditions at 20 °C/68 °F.

## Substrate Preparation:

The substrate must be adequately flat, sound, free from cracks, dry, clean and free from materials that would impair adhesion. Cement- and calcium sulphate- screeds must be abraded and vacuumed. Test the substrate in accordance with applicable standards and notices and report any deficiencies. In wood flooring work, especially careful substrate testing is recommended. Brush, abrade, grind or shot-blast weakly bonded or soft surface areas. Thoroughly vacuum off any loose material and dust.

Prime absorbent and porous substrates with 1-Component PU Rapid Primer UZIN PE 414 Turbo, 2-Component Epoxy Reaction Primer UZIN PE 420 or 2-Component Epoxy Primer-Sealer UZIN PE 460/PE 480. Keep the drying time.

On very uneven or very rough surfaces, prime with Universal Primer UZIN PE 360 and apply Wood Flooring Levelling Compound UZIN NC 174 to a minimum thickness of 3 mm or apply Rapid Levelling Compound UZIN NC 172 BiTurbo to a minimum thickness of 2 mm for obtaining increased levelness according to manufacturer regulations.

Refer to the Product Data Sheets for other products used.

## Application:

1. Before use, allow containers to come to room temperature. Mix resin and hardener as described on the container. Ensure thorough mixing, especially around the floor and walls of the container as badly mixed adhesive will not set.
2. Apply an even coat of the adhesive onto the substrate using a suitable notched trowel (see "Consumption"). Only apply as much adhesive as can be covered within 40 – 60 minutes.
3. Immediately lay in the wood flooring with a light sliding movement and knock well down. Ensure the best possible transfer to the underside of the wood flooring.
4. Using wedges, leave a gap of 10 – 15 mm between wall and wood flooring. Remove wedges immediately after installation.
5. **Caution:** Immediately remove any adhesive contamination with Cleaning Cloths from the UZIN Clean-Box or carefully apply EP Thinner UZIN VE 124. Hardened adhesive can only be removed by mechanical means.

## Consumption:

| Type of Wood flooring  | Notch Size | Consumption                    |
|--|------------|--------------------------------|
| Stab wood flooring, wood-plank, on-end wood flooring, woodblock RE | B 11       | 1000 – 1200 g / m <sup>2</sup> |
| 10 mm solid wood flooring, multi-ply wood flooring                 | B 11       | 1000 – 1200 g / m <sup>2</sup> |
| Mosaic wood flooring   | B 3        | 800 – 1000 g / m <sup>2</sup>  |
| On-edge wood flooring  | B 11       | 1000 – 1200 g / m <sup>2</sup> |

## Important Notes:

- ▶ Shelf life minimum 12 months in original packaging when stored in cool, dry conditions. Optimum storage conditions 10 – 20 °C / 50 – 68 °F. Thickened hardener B can no longer be used. Do not mix party quantities.
- ▶ Optimum application conditions are 18 – 25 °C / 64 – 77 °F, floor temperature above 15 °C / 59 °F, relative humidity below 75 %. Low temperatures extend, whilst high temperatures shorten the pot life, working- and setting- times.
- ▶ If the required standards for wood- and air- moisture and proper acclimatisation are observed, the wood flooring can be sanded and sealed after 24 hours.
- ▶ **Caution:** The use of wood flooring not dried according to standards can, in the event of increase in air humidity, lead to damage from swelling.
- ▶ Only suitable for laminate flooring that is approved for bonded installation by the manufacturer.
- ▶ The following standards and publications are applicable and especially recommended:
  - DIN 18 356 "Working with wood flooring"
  - notice issued by the Adhesives Industry Association "Bonding of wood flooring"
  - ZDB publication "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"
  - 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: 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:

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.