

1-Component MSP-Wood Flooring Adhesive

# UZIN MK 100



Solvent- and water-free flexible hybrid adhesive for wood flooring

## Description:

1-component wood flooring adhesive in accordance with DIN EN 14293 with a very wide range of uses, for bonding wood flooring and especially for moisture sensitive woods and formats.

Recommended for:

- ▶ stab wood flooring
- ▶ on-edge wood flooring 16 – 22 mm
- ▶ multi-ply / pre-finished wood flooring
- ▶ solid boards
- ▶ exotic timbers

Suitable on subfloors with adequate strength such as, e.g. cement- and calcium sulphate-screeds, concrete, chipboard V 100, all UZIN insulating underlays suitable for wood flooring, as well as on warm water underfloor heating systems.

## Product Properties / Benefits:

1-component, moisture-cured MSP hybrid adhesive. Solvent- and water-free, therefore, to a great extent, user-friendly and with no damaging swelling effect on wood flooring. With a highly elastic, but no too soft adhesive bond, dissipates shear forces and reduces the transfer of damaging forces to the substrate.



Offers highest possible protection against emissions and contributes in creating a healthy living environment.

Was awarded the "Blue Angel" for low-emission floor covering adhesives and other adhesives in compliance with RAL-UZ 113.



UZIN ÖKOLINE



Binding agents: Modified silane prepolymer, mineral fillers, additives.

- ▶ Easy to apply
- ▶ High suction grab
- ▶ Good trowel ridge formation
- ▶ Rapid grab
- ▶ Flexible adhesive cure
- ▶ Dissipates shear forces
- ▶ Universal range of uses
- ▶ Adhesive residues on wood flooring can be removed
- ▶ Water-free
- ▶ EMICODE EC 1 R / Very low emission
- ▶ RAL UZ 113 / environmentally friendly, due to very low emissions

## Technical Data:

Packaging:	plastic drum
Packsize:	16 kg
Shelf life:	min. 6 months
Colour:	beige
Consumption:	approx. 1000 – 1200 g / cm <sup>2</sup>
Working temperature:	min. 15 °C / 59 °F at floor level
Open time:	none*
Working time:	approx. 20 minutes*
Load bearing:	after approx. 24 hours*
Sanding / Sealing:	after approx. 12 hours* at the earliest
Final strength:	after 5 – 7 days*

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

## Subfloor Preparation:

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

New Calcium sulphate screeds must be abraded and vacuumed. Test the subfloor in accordance with applicable standards and notices and report any deficiencies. When working with wood flooring, especially careful testing of the subfloor is recommended. Thoroughly brush, abrade, grind or shot-blast any soft or weakly-bonded surface areas. Thoroughly vacuum off loose material and dust.

On substrates that comply with the standards and are suitable for wood flooring, primer can be omitted. Prime absorbent and porous surfaces with 1-Component PU Rapid Primer UZIN PE 414 Turbo, 2-Component Epoxy Primer-Sealer PE 460/480. Observe the drying time. Prime very uneven or rough surfaces with Universal Primer UZIN PE 60 and apply a minimum 3 mm thickness of Wood Flooring Levelling Compound UZIN NC 174 or Rapid-drying Levelling Compound NC 172 BiTurbo to achieve improved levels in accordance with the manufacturer's instructions.

Refer to the Product Data Sheets for the products used.

## Application:

1. Before use, allow the contents of the containers to come to room temperature. After opening, peel the cover-film from the surface and, if necessary, remove any surface skin that has formed; do not mix in. Apply the adhesive evenly onto the subfloor using a notched trowel. Only apply as much adhesive as can be covered within 20 – 25 minutes.
2. Lay the wood flooring pieces into the adhesive bed with and press well down or roll. Ensure full adhesive transfer to the underside of the wood flooring.
3. Using wedges, allow a gap of 10 – 15 mm between the wood flooring and walls. Remove the wedges immediately after installation.
4. **Note:** Remove adhesive contamination immediately using a clean cloth. Hardened adhesive can be removed from the wood flooring surface without leaving a residue.

## Consumption:

	Notch Size	Consumption
All wood flooring types	B11	approx. 1000 – 1200 g / m <sup>2</sup>

## Important Notes:

- ▶ Shelf life minimum 6 months in original packaging when stored in cool, dry conditions. Protect from frost. In opened containers, fully cover the adhesive with the film and use as quickly as possible.
- ▶ Optimum working conditions are 18 °C – 25 °C / 64 °F – 77 °F, relative humidity < 75 %. By compliance with standards for wood and air humidity and adequate acclimatisation of the wood flooring, can be sanded and sealed after 48 hours, e.g. with Pallmann wood flooring lacquers ([www.pallmann.net](http://www.pallmann.net)).
- ▶ **Caution:** The installation of wood flooring that is not sufficiently dry according to required standards can, in the event of a 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 of the Adhesives Industry Association e.V. "Bonding of wood flooring"
  - Publication of the Central Association of German Construction Trades (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 parquet adhesive containing methoxysilane. Keep out of the reach of children. When curing, produces traces of methanol. Ensure good ventilation during and after application / drying! Do not eat, drink or smoke during the installation. Wear suitable gloves. After contact with eyes or skin, wash immediately with plenty of water. 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 – very low emission. Free of preservatives. **Hotline for allergy information +49 (0)731 4097-0.**

## 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. Containers with liquid residues are special waste, those with cured residues are Construction Waste. Therefore collect waste material and allow to harden, then dispose as Construction Waste.

