

# UZIN MK 97

Solvent- and water-free, highly flexible adhesive for parquet

## Description:

1-component polyurethane adhesive for bonding the parquet types as detailed below, especially those types and formats which are moisture-sensitive.

Recommended for:

- ▶ 22-mm-stab parquet
- ▶ Mosaics
- ▶ Wood-plank
- ▶ On-end parquet
- ▶ Pre-finished parquet
- ▶ All wood types

Suitable for substrates in perfect structural condition (excluding mastic asphalt) such as cement and calcium sulphate screeds, concrete, chipboard and suitable UZIN Insulating Underlays – also suitable over warm water underfloor heating systems.

The use of solvent-based adhesives is becoming more and more restricted; there are often limitations for the use of water-based adhesives; therefore, UZIN Polyurethane Parquet Adhesives.

## Product Properties/Benefits:

Viscous, 1-component resin adhesive which requires only the slightest amount of surrounding moisture to harden. Solvent- and water-free and, therefore, causes no swelling of the parquet.



**Composition:** Moisture-cured polyurethane prepolymer.

- ▶ Ready to use
- ▶ Easy to apply
- ▶ Ideal consistency
- ▶ Excellent flexibility
- ▶ Reduces stresses between parquet and substrate
- ▶ No hazard symbol required
- ▶ GISCODE RU 1/Solvent-free
- ▶ EMICODE EC 1/Very low emission

## Technical Data:

Packaging:	metal bucket
Packsizes:	6 kg, 13 kg
Special size:	310 ml cartridge
Shelf life:	min. 9 months
Colour:	light beige
Specific density:	1.24 kg / litre
Consumption:	approx. 1000 g / m <sup>2</sup>
Working temperature:	15 °C to 25 °C / 59 °F to 77 °F
Open time:	none*
Working time:	50 – 60 minutes*
Load bearing:	after approx. 24 hours*
Sanding / Sealing:	after approx. 48 hours*
Final strength:	after 5 – 7 days*

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

## Subfloor Preparation:

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

Calcium sulphate screeds must be abraded and vacuumed, either as a final treatment by the screed installer or as extra work by the parquet installer.

Test the substrate in accordance with relevant standards or regulations and report any deficiencies. For parquet work, it is recommended that the substrate be tested with special care.

Soft or weakly bonded surface areas must be thoroughly brushed, abraded, ground or shot-blasted. Loose material and dust must be thoroughly vacuumed off.

Prime absorbent surfaces with 2-component resin primer UZIN PE 420 or 2-component Epoxy DPM UZIN PE 460 (drying 12 – 24 hours according to atmospheric conditions).

Prime very uneven or rough surfaces with Penetrating Primer UZIN PE 360 and apply a minimum thickness of 3 mm of Parquet Levelling Compound UZIN NC 174 to bring the standard of smoothness up to the manufacturer's requirements.

Observe the Product Information for the products used.

## Application:

1. Allow the contents of the container to come to room temperature before use. Once opened, peel the plastic cover from the surface and, if necessary, remove any surface skin which may have formed – no not mix.
2. Apply the adhesive evenly onto the substrate using a suitable notched trowel. Only apply as much adhesive as can be covered within 50 – 60 minutes.
3. Lay the parquet into the adhesive bed with a light twisting motion and knock into place. Ensure the best possible transfer to the backing of the parquet.
4. Use wedges between wall and parquet to form a 10 – 15 mm gap. Remove the wedges immediately after the installation is complete.
5. Note: remove fresh adhesive contamination with a clean rag, if necessary with careful use of Petroleum spirit cleaner. Hardened adhesive can be completely removed from the parquet surface by mechanical means. Clean tools immediately after use.

## Consumption:

Parquet Type	Notch	Consumption
Stab-, On-end-, Pre-finished Parquet, Wood-plank and Mosaic Parquet	B 11	approx. 1000 g/m <sup>2</sup>

## Important Notes:

- ▶ Minimum shelf life 9 months in original containers and in cool, dry conditions. Protect from frost. For opened containers, seal the adhesive surface with the plastic film and then use as quickly as possible.
- ▶ Optimum working conditions are 18 °C – 25 °C/64 – 77 °F, relative humidity < 75 %.
- ▶ Alcohols such as methanol, ethanol, spirit, ethyl alcohol, etc., as well as alcohol vapour, can affect or, if concentrated, prevent the cure of UZIN MK 97. Therefore, during application of UZIN MK 97, keep well away from all alcohols and alcohol-containing products, such as cleaners, thinners and synthetic resin adhesives.
- ▶ By maintaining the required standard of wood and air moisture content and adequate acclimatisation, the parquet can be sanded and sealed with UZIN-Parquet Sealer after 48 hours.
- ▶ Warning: installation of parquet which is not dry to the required standard can, in the event of a high increase in humidity, lead to damage from swelling.
- ▶ The following standards and publications are applicable and especially recommended: DIN 18 356 "Parquet Installation"/ Brochure of the Industrieverband Klebstoff "Adhesion of parquet" and "Adhesion of Laminate Flooring"/Brochure of the Zentralverbandes des deutschen Baugewerbes (ZDB) "Resilient Floorcoverings, textile Floorcoverings and Parquet on Heated Floor Constructions"/Technical Information Sheet 2/1990 of the Bundesverbandes Estrich und Belab (BEB) "Assessment and Preparation of the Surface of Anhydrite Flow-screeds".

## Protection of the Workplace and the Environment:

Solvent-free. Non flammable. Contains isocyanates. Requires no special protection or precautions in general use. Avoid contact with skin and eyes. 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. Neutral odour as well as ecologically and physiologically harmless when hardened. EMICODE EC 1 – 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 cured residues are Construction Waste. Therefore collect waste material and allow to harden, then dispose as Construction Waste.