PRODUCT DATA SHEET

1-Component PUR Wood Flooring Adhesive

UZIN MK 95

Hard elastic, slightly foaming adhesive for large-format wood flooring with tongue and groove

Applications:

1-component PUR wood flooring adhesive with hard elastic adhesive ridge and foaming properties. Specifically for the installation of large-format wood flooring types and wood block flooring. For interior use.

Main area of application:

- Solid wood flooring 15 – 22 mm
- Wood block flooring

Extended area of application:

- Multi-ply wood flooring
- Multi-ply wooden flooring

Suitable for use on:

- cementitious screeds, calcium sulphate screeds or concrete
- new, firmly screw-fixed chipboard P4 – P7 or OSB 2 – OSB 4 panels
- precast screeds, gypsum fibre boards
- levelling compounds suitable for wood flooring
- UZIN insulating and installation underlays suitable for wood flooring
- hot water underfloor heating

GEV-EMICODE EC 1 R very low emission

LEED contributing product

Product properties / benefits:

The technical properties of UZIN MK 95 make it ideal for the installation of large-format wood flooring types. The slightly foaming effect and rapid setting characteristics of this moisture-curing adhesive make for perfect installation results.

Composition: Moisture-curing polyurethane prepolymer.

- Excellent ridge formation
- Slightly foaming
- Hard elastic adhesive according ISO 17 178
- Adhesive residues on wood flooring can be removed while fresh
- Solvent-free
- EMICODE EC 1 R / very low-emission

Technical specifications:

Packaging:	Metal bucket
Sizes:	16 kg
Shelf life:	min. 6 months
Colour:	beige
Consumption:	1000 – 1200 g/m²
Working temperature:	min. 15 °C at ground level
Working time:	approx. 30 minutes*
Set to traffic:	after approx. 12 hours*
Sanding:	after approx. 24 hours*

* At 20 °C and 65 % relative humidity.

ballister

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UZIN MK 95

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. Priming is not necessary on substrates conforming to standards (cementitious screed, precast screed) used to accommodate wood flooring. Prime calcium sulphate screeds, accelerated cementitious screeds, rapid cementitious screeds, underfloor heating as well as special screed constructions with UZIN PE 414 Turbo or obtain application consulting.

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

Application:

1. Allow adhesive to reach room temperature before processing. Pull off the foil cover opening and remove any surface skin that may have formed; do not mix in.
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 rubbed off with extra effort when cured.

Consumption information:

Wood flooring type	Notch size	Consumption*
Wood block / multi-ply wood flooring	B11	1000 – 1200 g/m²
Solid wood flooring	Solid board notched trowel	approx. 1200 g/m²

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

Important notes:

- Shelf life at least 6 months in original packaging when stored dry in moderately cool conditions. Frost-resistant to –25 °C. Tightly cover adhesive in open containers with the film and use up contents quickly.
- 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.
- Wood moisture conforming to standards must be observed.
- Alcohols such as methanol, ethanol, spirit, spirit of wine, etc. as well as alcoholic vapours may disturb the curing of UZIN MK 95 NEW or even prevent it if concentrated exposure is given. Alcohols and alcohol-containing products such as cleaners, thinners and synthetic resin adhesives must therefore be kept away when processing UZIN MK 95 NEW.
- 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 after 24 hours at the earliest, e.g. using suitable Pallmann products (www.pallmann.net).
- 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
  - 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 underfloor 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. Contains diphenylmethane-diisocyanate (MDI). 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 safetygoggles. 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 – 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 metall containers are recyclable. Containers with liquid residues are special waste, those with with mixed and cured residues are Construction Waste. Therefore collect waste material and allow to harden, then dispose as Construction Waste.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this Product Data Sheet invalidates all previous Product Information. The respective updated version of this datasheet can be found on our Homepage under www.uzin.com.