



WOOD FLOORING ADHESIVE



UZIN MK 92 S Adhesive

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

Description:

UZIN MK 92S is a 2-component polyurethane reaction resin adhesive for all types of wood flooring. This adhesive is especially suited for wide plank installations, beech, maple, exotics and moisture sensitive species. It is extremely fast setting with an average working time of 30 minutes. It is very handy for setting starter rows and can usually be strapped in 2 to 3 hours. The very high shear strength accommodates 12" and wider wood flooring planks on sound substrates. The special formulation reduces stress transfer from seasonal movement of the flooring to the substrate making for a very stable adhesive bond.

Recommended for:

- All types and species of prefinished and unfinished solid and engineered wood flooring.
- Especially suited for beech, maple, exotics and laminate flooring (see "Important Notes").
- Use on all sound substrates including concrete, gypcrete (including radiant heat floor systems), plywood, OSB and UZIN underlayments designed for wood floor installations.

Composition: Polyurethane made from polyols and polyisocyanate (MDI).



Features

- Solvent and Water Free
- Very fast green grab and set
- Excellent ridge formation
- High solid, shrink-free formula
- Ridging cures very hard-flexible
- Versatile adhesive
- Suitable for most substrates
- EMICODE EC 1 R

Benefits

- Freeze/thaw stable above 0°F
- Great for starter rows. Allows for fast track installations especially when quick access for sand and finish is a must – in 8 hours*
- Promotes superior contact with boards and substrate
- Holds position perfectly through seasonal movement even with solid wide plank and thicker applications
- Rigid yet flexible offering superior shear strength
- Works well with solid or engineered wood floor products including very wide solid plank and mixed media
- Bonds aggressively to concrete, gypcrete, plywood, OSB and properly prepared leveling and patching compounds
- Very low emissions

Technical Data

Packaging:	1.8 gals/9 kg plastic pail (after 2.2 lbs/1kg Comp. B is added)
Component B:	2.2 lbs/1kg plastic bottle
Shelf life:	minimum 12 months
Color:	beige
Solvent and water free:	freeze/thaw stable above 0°F
Coverage rate:	approx. 65 sq. ft. per gal./117 sq. ft. per pail (using UZIN B11 notch trowel)
Working temperature:	min. 60°F (16°C) at floor level
Pot life:	approx. 30 minutes*
Working time:	approx. 30 – 40 minutes*
Load bearing (walk on):	approx. 2-4 hours*
Sanding / sealing:	after approx. 8 hours*
Final strength:	after 3 – 5 days*
VOC Content:	VOC Compliant – VOC does not exceed 9 grams per liter

*Under normal conditions at 70°F (21°C) and 65% relative humidity

Rapid set time

UZIN MK 92 S Directions for Use:

Substrate Preparation:

The substrate must be flat and level, sound, free from cracks, dry, clean and free from materials which would impair adhesion (dirt, oil, grease, curing agents and sweeping compounds). Thoroughly brush, abrade, grind or shot-blast to remove weakly-bonded or soft surface areas. Thoroughly vacuum off any loose material or dust. Prime absorbent and non-absorbent surfaces with 1-component PU Rapid Primer UZIN PE 414 Turbo. Refer to the PE 414 Turbo product data sheet for procedures regarding substrate moisture mitigation. On substrates that conform to standards and are suitable for wood floor installation, the use of a primer is not necessary.

All substrates should be tested for moisture content and moisture vapor emission levels before applying adhesive. Refer to NFWA substrate moisture testing procedures and applicable ASTM slab moisture testing standards.

For wood or concrete substrates that do not meet industry standards for flatness or level please refer to UFLOOR Systems UZIN primer and leveling product data sheets. For priming very uneven or rough surfaces, we recommend using universal primer UZIN PE 260 (depending on substrate porosity) and apply leveling compound UZIN NC 170 LevelStar to min. 1/8" thickness to achieve improved surface levels according to manufacturer's requirements.

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. Adhesive that is not completely mixed will not set.**
2. Apply the adhesive evenly using the UZIN US B11 trowel or the Wolff ErgoStar with B11 notched trowel blade. Only apply as much adhesive as can be covered within 20 to 30 minutes.
3. Immediately lay in the wood flooring with a light sliding movement and press or tap in. Ensure the best possible transfer to the underside of the wood flooring.
4. Using spacers, leave a gap of 1/2" to 3/4" between wall and wood flooring.
5. Remove spacers immediately after installation.
6. Caution: Immediately remove any adhesive spots with UZIN Clean-Box wipes which leaves no residue on flooring surface. Hardened adhesive can only be removed by mechanical means.

Coverage rate with UZIN Trowel:

Type of wood flooring	Trowel Notch	Consumption
Solid strip or plank	B11	Approx. 65 sq. ft. per Gal
Prefinished or unfinished engineered (relief back)	B11	Approx. 65 sq. ft. per Gal
Mosaic/parquet, solid or smooth-back engineered	B3	Approx. 65 sq. ft. per Gal

Important Notes:

- Minimum shelf life of 12 months in original packaging when stored in cool, dry conditions. Optimum storage conditions 50°F – 70°F (10°C – 21°C)
- Thickened Hardener B can no longer be used. Do not mix partial quantities as opened containers cannot be stored.
- Optimum application conditions are 64°F – 77°F (18°C – 25°C), with minimum floor temperature above 60°F (15°C), relative humidity below 75%. Low temperatures extend, while high temperatures shorten the pot life, working and setting times.
- If the required standards for wood moisture content, relative humidity and proper acclimatization are observed, the wood flooring can be sanded and sealed after 8 hours.
- Caution: Only suitable for laminate flooring that is approved for gluedown installation by the manufacturer and contains a chipboard core.

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 diphenylmethanediisocyanate. 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:

Disposal should be in accordance with local, state and federal regulations. Empty metal containers are recyclable.

The above information is based on our experience and testing. UFLOOR Systems is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this Product Data Sheet invalidates all previous Product Information.



Trowel Notch B11
3/16" x 3/16" x 5/16"



UZIN US Trowel Part #52900



Trowel Notch B3
1/8" x 1/8" x 1/8"



Wolff ErgoStar Trowel (28cm) Part #41787