

## PREMIUM – Engineered Wood Flooring Adhesive

# MK 500

1-component, solvent-free, water-based engineered wood flooring adhesive

### DESCRIPTION:

Single-component, solvent-free, high-solids, water-based wood flooring adhesive formulated for direct glue-down installation of engineered wood flooring. This professional-grade adhesive delivers aggressive bonding performance across a broad range of engineered wood applications, providing exceptional bond strength and long-lasting durability for demanding residential and commercial installations.

For the direct installation of engineered wood flooring.

### SUITABLE FOR:

- ▶ Engineered wood plank flooring with no width or length restrictions
- ▶ Acrylic impregnated wood flooring
- ▶ Cork flooring and cork underlayment
- ▶ For professional use only
- ▶ Radiant heated substrates
- ▶ Use over most subfloors with adequate strength such as concrete, fortified gypsum, plywood, and OSB



### FEATURES AND BENEFITS:

- ▶ High solids formulation - Strong, durable bond
- ▶ High bond strength - Withstands heavy foot traffic and dynamic loads
- ▶ Aggressive bonding performance - Fast, reliable grab
- ▶ Solvent-free - Safe for use in enclosed areas
- ▶ Easily troweled - Consistent coverage and ridge formation



### TECHNICAL DATA:

|                                 |                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging                       | 4 gal / 15.14 L plastic pail                                                                                                                                            |
| Storage                         | min. 24 months                                                                                                                                                          |
| Color                           | Tan                                                                                                                                                                     |
| Coverage                        | <b>Engineered Plank:</b> Up to 60 sq.ft. per gallon / 240 sq.ft. per pail<br><b>Cork Flooring &amp; Underlayment:</b> Up to 180 sq.ft. per gallon / 720 sq.ft. per pail |
| Working time                    | 10 - 30 minutes*                                                                                                                                                        |
| Flash time                      | 10 - 30 minutes*                                                                                                                                                        |
| Ready for foot traffic          | <b>Light:</b> 16 hours*<br><b>Heavy:</b> 48-72 hrs*                                                                                                                     |
| Minimum application temperature | Min. 60-90°F (15-25°C)<br>Min. 60°F (15°C) at floor level                                                                                                               |

\*At 70°F (21 °C) and 65% rel. humidity. Coverage is approximate and could vary depending on substrate porosity and the angle at which trowel is held. It is the sole responsibility of the contractor/ installer to determine the proper porosity of the subfloor, apply the proper amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.



## PRODUCT PROPERTIES:

Single-component, solvent-free, high solids water-based wood flooring adhesive. This product does not form a moisture vapor barrier and will not protect floor covering from high moisture and pH.

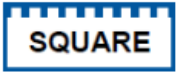
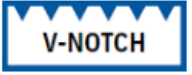
## SUBSTRATE PREPARATION:

- ▶ The substrate must be flat, level, sound, dry, clean, and free of cracks, dust, dirt, oil, grease, curing compounds, and any bond breaking contaminants. Mechanically prepare the substrate as required to remove weak, soft, or poorly bonded material. Concrete surfaces must be prepared to an International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) of #2 or #3. Thoroughly vacuum all loose material and dust.
- ▶ Substrate, adhesive and floor covering must be acclimated with HVAC in operation for 48 hours prior, during, and continuously after installation is complete.
- ▶ Not for use when moisture exceeds 3% per ASTM F2659, or RH of concrete substrate exceeds 90 % (ASTM F2170) If RH exceeds this limit, UZIN PE 460 or UZIN PE 414 is recommended first, prior to installation. Please see product technical data sheets for specific installation instructions.
- ▶ When installing over radiant heated substrates, heat should be turned off 24 hours before, during, and after installation. Turn radiant heat back on in 5°F increments per hour. Do not exceed 85°F.
- ▶ Wood substrates should test less than 12% moisture.
- ▶ Do not use if substrate pH is greater than 10 or below 7.
- ▶ Concrete substrate must be a minimum of 5°F above dew point.
- ▶ Ambient conditions must be between 60°F-90°F and 30-65% RH
- ▶ Do not install over chemically abated substrates.
- ▶ Do not install over adhesive residue or cutback adhesive.
- ▶ Do not use over concrete substrates which have been treated with silicates, either topically or entrained.

## APPLICATION:

1. Allow contents of the pail to come to room temperature before use.
2. Follow the guidelines of wood flooring manufacturers guidelines for layout, design, and installation.
3. Spread the adhesive evenly approximately 24" wide using the determined trowel (see application chart). Only apply as much adhesive as can be covered within 10-30 minutes. Allow 10-30 minutes for adhesive to flash off before installing wood flooring. Working time will vary depending on ambient conditions and porosity of the substrate. Loss of adhesion can occur if working time is not followed
4. Install the wood flooring into the adhesive using a light twisting motion and press or tap into place.
5. After installation, roll flooring with 75-100 lb roller to ensure proper adhesive transfer. (Periodically check to confirm 100% transfer of adhesive to plank backing).

6. Do not work off installed planks.
7. Remove adhesive spills immediately from the flooring surface with UZIN Clean Box wipes.

| Cork Flooring & Underlayment                                                       | Engineered Wood Flooring                                                            |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| 1/16" x 1/16" x 1/16" Up to 180 sq.ft./gal                                         | 3/16" x 1/4" x 5/16" Up to 60 sq.ft./gal                                            |

## IMPORTANT NOTES:

- ▶ Not for use with exotic, strand, or woven bamboo species
- ▶ This product does not form a moisture vapor barrier and will not protect the floor covering from high moisture or pH
- ▶ Installation only on substrates under 90% RH and pH between 7 and 10
- ▶ Not for use to encapsulate asbestos
- ▶ Not for use where hydrostatic pressure exists
- ▶ Extreme ambient condition changes will affect the performance quality of the installation
- ▶ Do not allow product to freeze

## SEALS OF QUALITY & ECOLABELS:

- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission

## COMPOSITION:

Moisture-curing, modified polyurethane prepolymers.

## 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. Harmful: May cause damage to organs through prolonged or repeated exposure. May cause sensitisation by inhalation and skin contact. Provide good ventilation. Use barrier cream, protective gloves and safety-goggles. 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.

**DISPOSAL:**

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste. Therefore collect waste material and allow to harden, then dispose as Construction Waste.