Product Datasheet

Universal Adhesive on Humid Substrates

UZIN KE 25

Moisture-tolerant dispersion adhesive for all alkali and moisture tolerant floor coverings

MAIN APPLICATION FIELD:

- homogeneous and heterogeneous PVC or CV floor coverings in sheets and tiles
- rubber floor coverings in sheets (e.g. noraplan® up to 3 mm)
- Synthetic textile floor coverings with all common backings
- light weight needle punch or woven carpet
- PVC- LVT / LVP
- VCT-Tiles

SUITABLE ON / FOR:

- absorbent and levelled substrates
- Radiant-heat systems that have been properly installed and operating
  at a surface temperature no higher than (85°F) 29°C
- exposure to castor wheels in accordance with DIN EN 12 529
- for wet shampooing and spray extraction cleaning according to RAL 991 A2
- residential, commercial and industrial locations

PRODUCT BENEFITS/FEATURES:

UZIN KE 25 is a strong dispersion adhesive with excellent properties. It can be used for installations of various types of floor coverings on substrates containing residual or rising moisture. Moisture rating of the substrate is not required. For interior use.

- no need for moisture testing
- resistant against alkaline moisture
- universal application field
- easy, fast and safe installation

TECHNICAL DATA:

Packaging	plastic bucket
Pack size	14 kg
Shelf life	min. 12 months
Color, wet	cream white
Color, dry	transparent
Consumption	190 - 580 g/m²
Working time	15 - 45 minutes*
Minimum application temperature	15 °C at ground level
Loadable	after 24 hours*
Joint sealing	after 24 hours*
Final strength	after 3 days*

*At 20 °C and 65% relative humidity, depending on the type of floor covering and the absorbency of the substrate.

GEV-EMICODE EC 1 PLUS very low emission

BLUE ANGEL FOR GERMAN ECOLABEL www.blauer-engel.de/uz113

EPD

LEED® CONTRIBUTING PRODUCT

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UZIN KE 25

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, surface-dry, free from cracks and materials (dirt, oil, grease) that would impair adhesion. The surface must be vacuumed, primed and smoothed. Suitable primers and compounds can be found in the UZIN Product Guide. Test the substrate in accordance with applicable standard or notices and report any deficiencies.

Do not install insulation underlays on substrates containing residual moisture!

The datasheets for other used products have to be observed.

APPLICATION:

1. Apply an even coat of adhesive onto the substrate using a suitable notched trowel and allow to dry partially according to the application amount, the indoor climate, the absorbency of the substrate and the type of floor covering. Do not apply more adhesive than can be laid with good transfer onto the back of the covering within the working time.
2. Install the floor covering within a short open time and ensure the adhesive ridge is pressed out. Rub in or roll over and apply weight against any flooring deformation. Ensure that air is not trapped under the covering. Allow the area to rest for 20 minutes and then roll over again and rub in at edge and seams.
3. Remove adhesive residues while fresh with water.

CONSUMPTION INFORMATION:

Toothing	Coating/Backing	Consumption approx.*
A5	Smooth, sanded, e.g. CV coverings, rubber coverings in sheets 2 mm	190 - 220 g/m²
A1	Lightly structured, e.g. CV flooring, LVT	220 - 280 g/m²
A2	Textured, sanded, e.g. PVC coverings, rubber coverings in sheets 3 mm, PVC design coverings, quartz vinyl tiles	260 - 330 g/m²
B1	Heavily textured, e.g. textile coverings with fabric backing	340 - 390 g/m²
B2	Coarse, e.g. needlefelt, woven goods	500 - 580 g/m²

*At 20 °C and 65% relative humidity with tempered adhesive buckets.

High Moisture Installations:

- When used on moist substrates, all used products must be tolerant to alkaline moisture or be open to vapour diffusion. When using products and floor coverings, which are not resistant to alkaline moisture, a moisture-barrier primer such as UZIN PE 480, UZIN PE 460 or UZIN PE 414 BiTurbo must be used.
- Concrete must be a minimum of 28 days old. In areas where rising moisture leads to hydrostatic pressure, a intact moisture vapor barrier beneath the slab must be known.
- Concrete slab or cementious subfloors must be at service temperature, and occupied air space above the slab must be at service temperature and service relative humidity, at time of installation.
- Relative humidity of air within the space should not exceed 65% for 72 hours following the installation.
- UZIN KE 25 is a moisture-resistant adhesive. UZIN KE 25 does not protect the floor covering from hydrostatic pressure from the substrate.
- When using UZIN KE 25 on damp substrates, backventilation of the skirting board system must be ensured.
- Always follow floor covering manufacturer's guidelines for maximum RH% and pH of the floor covering as well as intended use of the product.
- Humid substrates may cause secondary emissions and odours.

FLASH-OFF AND INSTALLATION TIME FOR DIFFERENT TYPES OF COVERINGS:

Floor covering on levelled substrats *Wet / Semi-Wet application"	Trowel Notch	Waiting time*	Working time*
Smooth, sanded, e.g. CV coverings, rubber coverings 2 mm	A5	5 -15 minutes	10 - 20 minutes
Lightly structured, e.g. CV flooring, PVC design flooring	A1	5 - 15 minutes	10 - 20 minutes
Textured, sanded, e.g. PVC coverings, rubber coverings 2.5 - 4 mm, PVC design coverings	A2	10 - 20 minutes	10 - 20 minutes
Heavily structured, e.g. textile coverings with fabric backing	B1	15 -25 minutes	10 - 30 minutes
Coarse, e.g. needlefelt, woven fabric	B2	15 - 25 minutes	20 - 45 minutes

* At 20 °C and 65 % rel. humidity

IMPORTANT NOTES:

- Acclimate the installation area, adhesive and flooring in an enclosed building at a minimum of 18°C for at least 72 hours before, during and for 72 hours after installation. Relative humidity of air within the space should not exceed 65% for 72 hours following the installation.
- A shelf life of 12 months when stored in moderately cool conditions, in the original packaging. Protect from frost. Carefully and tightly reseal opened containers and use the contents quickly. Allow containers to come to room temperature before use.
- Best applied between 18 - 25 °C, with the floor temperature above 15 °C and relative air humidity below 65%. Low temperatures and high air humidity lengthen the working and drying time. Whilst high temperatures and low air humidity shorten the working and drying time.

This product is intended exclusively for professional use by qualified commercial users. It must not be supplied to consumers. The above information is based on our experience and careful investigations. The variety of associated materials and different constructions 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 floor 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 website under www.uzin.com | 09/2026

- Installations onto substrates with old adhesive residues may cause interactions and lead to unpleasant odours. Ideally these should be removed completely. In all situations adhesive residues must be remedied via the use of primers and coatings of compound at least 3 mm thick.
- Before installing, the floor covering must be adequately acclimatised to the indoor climate and free from tension.
- In extreme temperatures due to exposure from light, heavy mechanical strain from pallet trucks, fork lifts, etc. or when exposed to moisture from above, a synthetic resin adhesive such as UZIN KR 430 must be used. Obtain application advice if in doubt.
- When sealing, cleaning and maintaining the floor covering, products from the UZIN Care range can be used (UZIN Basic Cleaner, UZIN Turbo Protect Plus, UZIN Resilient Care, UZIN Refresher). For further information please refer to the product data sheets.
- Humid substrates may cause secondary emissions and odours.
- Follow the generally acknowledged rules of the trade and technology for the installation of floor covering in respective of the applicable national standards (e.g. END, DIN, OE, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- Solvent-free
- EMICODE EC 1 PLUS / Very low emission
- Blue Angel according to DE-UZ 113 / Environmentally friendly because of low emissions
- European Model EPD
- Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

CONSUMPTION:

Polymer dispersion, modified resins, preservation agents, mineral aggregates, additives and water.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free. Use of barrier cream and ventilation of the work area are recommended. Keep out of the reach of children. Do not eat, drink or smoke during the installation. After contact with eyes or skin, wash immediately with plenty of water. Do not allow dispersal into drains, sewers or ground. Rinse tools with water and soap immediately after use. Basic prerequisites for best possible indoor air quality following floor covering work are conformity to standards of the working conditions, as well as thoroughly dry substrate, primer and smoothing compound. Product contains isothiazolinones, Bronopol. Hotline for allergy information +49 731 4097-0.

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.

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