Product Datasheet

Universal Adhesive

UZIN KE 16

Dispersion adhesive for textile coverings, PVC/CV coverings, PVC design coverings and linoleum

MAIN APPLICATION FIELD:

- soft textile coverings
- PVC-LVT
- homogeneous and heterogeneous PVC or CV floor coverings in sheets and tiles
- linoleum in sheets up to 2.5 mm
- cork linoleum, corkment and all UZIN installation and insulation underlays

SUITABLE ON / FOR:

- absorbent and levelled substrates
- warm water underfloor heating systems
- exposure to castor wheels in accordance with DIN EN 12 529
- normal wear in residential, commercial and industrial locations

PRODUCT BENEFITS/FEATURES:

UZIN KE 16 is a very low emission, dispersion-based adhesive with a universal application field. It has short waiting time for use on absorbent substrates. For interior use.

- universal application
- very easy to spread
- short waiting time

TECHNICAL DATA:

Packaging	plastic bucket
Pack size	14 kg
Shelf life	min. 12 months
Colour, wet	cream white
Colour, dry	beige
Consumption	230 - 600 g/m²
Open time	5 - 25 minutes*
Working time	10 - 45 minutes*
Minimum application temperature	15 °C at ground level
Loadable	after approx. 24 hours*
Joint sealing	after approx. 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

BLAUER ENGEL DAS UMWELTZEICHEN www.blauer-engel.de/uz113

EPD

LEED® CONTRIBUTING PRODUCT

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SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, 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. Allow the primer and levelling compound to dry completely.

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.*
A1	Smooth, e.g. CV floor coverings	250 - 300 g/m²
A2	Slightly structured, e.g. PVC floor coverings	300 - 340 g/m²
B1	Structured, e.g. carpet, linoleum, soft needle punch	350 - 400 g/m²
B2	Very rough backings	550 - 600 g/m²
A5	Smooth, sanded, e.g. CV coverings,	230 - 250 g/m²
V1	Smooth-backed resilient floor coverings, e.g. PVC sheet and LVT	260 - 310 g/m²
V2	Deep textured / rough backings e.g., Jute backed linoleum, textile backed floor coverings	300 - 370 g/m²

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

IMPORTANT NOTES:

- A shelf life of 12 months when stored in moderately cool conditions, in the original packaging. Frost-resistant down to -6 °C. 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.
- Humid substrates may cause secondary emissions and odours. Therefore, ensure the compound is dry before applying the adhesive.
- 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 in general 2 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.
- Please check the adhesive recommendations (online) or obtain application advice when installing chlorine-free floor coverings.
- 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.
- 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

COMPOSITION:

Polymer dispersion, 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. Basic prerequisites for best possible indoor air quality following floor covering work are

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conformity to standards of the working conditions, as well as thoroughly dry substrate, primer and smoothing compound.

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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