Product Datasheet

Multi-purpose Adhesive

UZIN KE 2428

Dispersion adhesive with very high bond-strength for vinyl, lino and all common textile floor coverings

MAIN APPLICATION FIELD:

Dispersion adhesive for PVC/CV, Lino floor coverings and all common textile floor coverings in interior locations. For fast and reliable installation.

SUITABLE ON / FOR:

- PVC and cushioned vinyl flooring
- carpet and textile coverings with common backings, e.g. synthetic secondary backings, latex-foam, secondary backings made from polyester, polypropylene or mixed fibres, polypropylene fleece and latex-coated, PVC or PU foam backings
- lightweight needlepunch
- resilient UZIN insulating underlays
- prepared, absorbent surfaces
- for lino in sheets up to 2.5 mm
- Suitable for use on warm water underfloor heating systems
- for areas exposed to castor wheel use in accordance with DIN EN 12 529
- for wet-shampoo and spray-extraction cleaning systems.



PRODUCT BENEFITS/FEATURES:

Ready to use, water based dispersion adhesive. Wet-bed adhesive with short open time and excellent bond-strength.

- Easy to spread
- Excellent coverage
- Long working time
- Excellent grab performance
- Very high final strength
- Solvent-free



TECHNICAL DATA:

Packaging	Plastic bucket
Pack size	14 kg
Shelf life	12 months
Colour, wet	cream white
Colour, dry	cream white transparent
Consumption	230 - 600 g/m²
Open time	5 - 20 minutes*
Working time	10 - 45 minutes*
Minimum application temperature	15 °C/59 °F at ground level
Loadable	after 24 hours*
Joint sealing	after 12 hours*
Final strength	after 3 days*

* Under normal conditions at 20 °C/68 °F and 65% relative humidity, depending on the type of floor covering and the absorbency of the substrate.

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EXTENDED APPLICATIONS:

- woven goods
- corkment and all UZIN insulation underlayment

SUBSTRATE PREPARATION:

The substrate must be level, sound, free from cracks, dry, clean and free from materials that would impair adhesion. Test the substrate in accordance with applicable standards and notices and report any deficiencies.

Thoroughly vacuum the surface, then prime and apply smoothing compound. According to type of substrate and occupational use, select suitable primers and smoothing compounds from the UZIN Product Guide.

On non-absorbent or moisture-sensitive substrates, such as mastic asphalt, anhydrite flow-screeds or magnesia screeds, chipboard or existing surfaces, apply smoothing compound to a minimum thickness of 2 mm.

Always allow primer and smoothing compound to dry thoroughly. Refer to the Product Data Sheets for the products used.

APPLICATION:

1. Apply the adhesive evenly onto the substrate using a suitable notched trowel (see ”Consumption”) and leave a short open time according to quantity applied, climatic conditions and substrate absorbency. Only apply as much adhesive as can be covered within the working time.
2. Lay in the covering, rub down over the whole area and, after approx. 20 minutes, rub down hard again or roll. Ensure good transfer to the backing of the covering.
3. Remove adhesive contamination with water whilst still fresh

CONSUMPTION:

Backing Type	Notch Size	Consumption
Smooth, sanded PVC coverings	A5	230 - 250 g / m2
Smooth e.g. cushioned vinyl	A1	260 – 300 g /m2
Lightly structured, e.g. foam-backed carpet, PVC	A2	300 – 340 g /m2
Heavily textured, e.g. secondary-backed carpet	B1	360 – 400 g /m2
Coarse, e.g. lightweight needlepunch	B2	550 – 600 g /m2

APPLICATION CHART:

Floor covering:	Trowel Notch	Open time*	Working time*
Smooth, sanded, backing e.g. CV floor coverings	A5	5 - 10 minutes	10 - 35 minutes
Slightly textured backing, e.g. CV floor coverings	A1	10 - 15 minutes	10 - 35 minutes
Textured sanded backing e.g. PVC floor coverings	A2	10 - 15 minutes	10 - 35 minutes
Strongly textured backing, e.g. textile floor coverings with fibre backing, linoleum	B1	10 - 20 minutes	10 - 45 minutes
Coarse backing e.g. needle punch, woven carpet	B2	10 - 20 minutes	10 - 45 minutes

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

IMPORTANT NOTES:

- Shelf-life of 12 months in original packaging when stored in relatively cool conditions. Protect from frost. Tightly re-seal opened containers and use as quickly as possible.
- Optimum working conditions are 18 – 25 °C/64 – 77 °F, floor temperature above 15 °C/59 °F, relative humidity below 75 %. Low temperatures and high humidity lengthen, high temperatures and low humidity shorten the working, setting and drying times.
- Prepared surfaces are flat, smooth and absorbent.They reduce adhesive consumption, increase the initial grab and accelerate drying.
- Especially suitable for textile coverings with impervious or plasticised backings, e.g. PU or PVC foam backings.
- Hot-weld joints after the adhesive has set, after 24 hours at the earliest and preferably after 48 – 72 hours.
- UZIN KE 2428 is certificated by the ”See-Berufsgenossenschaft” Hamburg to meet the requirements of Marine Equipment module B and module D. Certificates are available on request. Application quantity max. 350 g /m2.
- The following standards and notices are applicable and especially recommended:

- DIN 18 365 ”Working with floor coverings” /publication of the Adhesives Industry Association ”Assessment and preparation of subfloors

– bonding resilient and textile floor coverings” /publication of the Central Association of German Construction Trades (ZDB) ”Resilient and textile floor coverings and parquet on heated floor constructions”

SEALS OF QUALITY & ECOLABELS:

- Solvent-free
- EMICODE EC 1 PLUS / Very low emission
- European Model EPD
- Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

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 datasheet invalidates all previous Product Information. The respective updated version of this datasheet can be found on our website:www.uzin.co.uk
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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 conformity to standards of the working conditions, as well as thoroughly dry substrate, primer and smoothing compound. Odorless after complete drying.

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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