

PRODUCT DATA SHEET
Textile and PVC Adhesive

UZIN KE 15

Dispersion adhesive for many standard coverings

Description:

Very low emission dispersion adhesive for bonding light- to medium-qualities of the common textile and PVC floor coverings in interior locations.

Suitable for/on:

- ▶ soft textile coverings with the common backing constructions, e.g. synthetic secondary backings, latex-foam, secondary backings made from polyester, polypropylene or mixed fibres, polypropylene fleece and latex-coated
- ▶ lightweight needlepunch
- ▶ homogeneous and heterogeneous PVC and cushioned vinyl sheet and tile flooring (not for PVC-Design flooring)
- ▶ fleece-backed PVC and cushioned vinyl coverings
- ▶ sheet linoleum up to 2.0 mm thickness in domestic locations
- ▶ the floor-change system UZIN Multibase
- ▶ level, prepared surfaces with good absorbency
- ▶ low wear use in domestic and commercial locations
- ▶ warm water underfloor heating
- ▶ exposure to castor wheels in accordance with DIN EN 12 529
- ▶ wet shampoo and spray-extraction cleaning systems

Product Properties / Benefits:

UZIN KE 15 is exceptionally versatile and, therefore, is economical in use. This is so for a wide range of standard floor coverings but also for easy-lay coverings in high-quality installations.

Storage, transport costs and stock-holding can be significantly reduced.



Composition: Modified polyacrylate copolymers, resins and resin esters of vegetable origin, thickening-, wetting- and de-foaming-agents, preservatives (isothiazolinone), other additives and mineral fillers, water.

- ▶ Universal
- ▶ Good initial grab
- ▶ Good early- and final-strength
- ▶ Solvent-free
- ▶ EMICODE EC 1 / Very low emission

Technical Data:

Packaging:	plastic drum
Packsize:	14 kg
Shelf life:	min. 12 months
Colour:	light beige
Consumption:	300 – 650 g/m ²
Working temperature:	min. 15 °C / 59 °F at floor level
Open time:	10 – 15 minutes*
Working time:	15 – 25 minutes*
Load bearing:	after 24 – 48 hours*
Final strength:	after 4 – 5 days*
Weld joints:	after 24 – 48 hours*

* At 20 °C / 68 °F and 65 % relative humidity.

UZIN KE 15



Substrate Preparation:

The subfloor must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion. Test the subfloor in accordance with applicable standards and notices and report any deficiencies. Thoroughly vacuum, prime and prepare the surface. According to type, covering and occupational use, select suitable primers and levelling compounds from the UZIN Product Guide.

On non-absorbent or moisture-sensitive subfloors, e.g. mastic asphalt, calcium sulphate screeds or existing floor finishes, apply levelling compound to a minimum thickness of 3 mm. Always allow primers and levelling compounds to dry thoroughly. Refer to the Product Data Sheets for other products used.

Application:

1. Apply the adhesive evenly over the surface using a suitable notched trowel (see "Consumption") and leave an open time according to adhesive quantity, climatic conditions, surface absorbency and type of covering. Only apply as much adhesive as can be covered within the working time and with good transfer to the backing of the covering.
2. Lay in the covering, rubdown or roll over the whole area and repeat after 20 – 30 minutes. Change the trowel blades frequently.
3. Clean off adhesive contamination whilst still fresh using warm water.

Consumption:

On prepared surfaces, the trowel notch-size and consumption depend on the backing structure of the covering:

Backing Type	Notch Size	Consumption
Smooth, e.g. cushioned vinyl	A 1	300 – 350 g/m ²
Lightly textured, e.g. foam-backed carpet, PVC coverings	A 2	350 – 400 g/m ²
Heavily textured, e.g. secondary-backed carpet, linoleum 2.0 mm	B 1	400 – 500 g/m ²
Coarse, e.g. lightweight needlepunch, rough backing constructions	B 2	550 – 650 g/m ²

* At 20 °C/68 °F and 65 % relative humidity on prepared surfaces and with acclimatised adhesive containers.

Important Notes:

- ▶ Shelf life min. 12 months in original packaging when stored in relatively cool conditions. Protect from frost. Tightly reseal opened containers and use the contents as quickly as possible. Before use, allow the adhesive to come to room temperature.
- ▶ Optimum working conditions are 18 – 25 °C / 64 – 77 °F, floor temperature above 15 °C / 59 °F and relative humidity below 75%. Low temperatures and high humidity lengthen, whilst high temperatures and low humidity shorten the working-, setting- and drying- times.
- ▶ Damp substrates can lead to secondary emissions and odours. Therefore, only apply on well dried substrates and, on prepared surfaces, ensure best possible drying of the smoothing compound.
- ▶ Before adhering, coverings must be adequately relaxed, acclimatised and matched to the normal climatic conditions expected during later use.
- ▶ UZIN KE 15 can also be used for linoleum up to 2.0 mm in domestic locations. In large areas above 100 m², obtain technical advice.
- ▶ When installing linoleum, it must be ensured that a gap of approx. 1 mm is left between the individual widths. Pole-marks must be cut out or be installed using special treatment.
- ▶ UZIN KE 15 is not suitable for PVC-Design flooring, special coverings, extremely inflexible coverings, natural fibre carpets, conductive coverings, etc.
- ▶ In the case of high exposure, e.g. to heavy loading from goods handling equipment or fork-lift trucks, to direct sunlight or sources of heat, or where moisture can be expected over the joints in the covering, other adhesives should be used. Obtain technical advice.
- ▶ The following standards and notices are applicable and especially recommended:
 - DIN 18 365 "Working with floor coverings"
 - Publication by the Adhesives Industry Association "Assessment and preparation of substrates – adhesion of resilient and textile floor coverings"
 - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
 - BEB publication "Assessment and preparation of substrates"
 - TKB publication "Bonding of PVC floor coverings"
 - TKB publication "Bonding of linoleum floor coverings"

Protection of the Workplace and the Environment:

Solvent-free. Non-flammable. Requires no special protection or precautions in general use. Use of barrier cream and ventilation of the work area are recommended.

EMICODE EC 1 – very low emission. Within the scope of current knowledge, gives off no emissions of formaldehyde, hazardous materials or volatile organic compounds (VOC). When fully dried, has a neutral odour and is ecologically and physiologically harmless.

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.

Disposal:

Where possible, collect all product waste and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free plastic buckets 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.