

Universal adhesive

UZIN KE 16

Dispersion-based adhesive for textile, PVC/CV floor coverings and linoleum

Description:

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

As a universal adhesive:

- ▶ for soft textile floor coverings with all common types of backing
- ▶ for light needle punch
- ▶ for homogeneous and heterogeneous PVC and CV floor coverings in sheets and tiles, quartz vinyl tiles
- ▶ for linoleum in sheets up to 2,5 mm
- ▶ for cork linoleum, corkment and for all UZIN insulation and installation underlays
- ▶ on absorbent and levelled substrates
- ▶ on warm water underfloor heating system
- ▶ for exposure to castor wheels in accordance with DIN EN 12 529 from 1 mm thickness of levelling compound
- ▶ for low wear in domestic locations (e.g. schools, restaurants)
- ▶ suitable for wet shampooing and spray extraction cleaning according to RAL 991 A2



Product benefits / properties:

UZIN KE 16 offers excellent working properties and a high initial and final strength.

Composition: Aqueous polymer dispersion, mineral-based fillers, preservation agents, additives and water.

- ▶ Universal use
- ▶ Odourless during and after application
- ▶ Very easy to spread
- ▶ Short open time
- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission

Technical data:

Packaging:	Plastic bucket
Packsizes:	6 kg, 14 kg
Shelf life:	minimum 12 months
Colour wet / dry:	Cream white / fawn
Consumption:	250 – 600 g/m ² *
Working temperature:	min. 15 °C at floor level
Open time:	5 – 20 minutes*
Working time:	10 – 30 minutes*
Set to traffic:	after 24 hours*
Final strength:	after 3 days*
Sealing/filling joints:	after 24 hours*

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



Substrate Preparation:

The subfloor must be sound, load bearing, level, dry, free from cracks, clean and free from material which would impair adhesion (e.g. dirt, oil, grease). The surface must be vacuumed, primed and levelled thoroughly. Suitable primers and levelling compounds can be found in the UZIN product guide. The substrate must be tested in accordance with applicable standards and bulletins and any deficiencies must be reported. Always allow primer and levelling compound to dry well all the way through.

Refer to the Product Data Sheets for other products used.

Application:

1. Apply adhesive uniformly with suitable notched trowel onto the substrate 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 wetting of the back of the covering within the working time.
2. Install the floor covering with short open time; the adhesive groove should be pressed out. Rug in or roll out or apply weight against extreme flooring deformation or mill first. Ensure that air is not trapped under the covering. Allow the area to rest for 20 minutes and then roll out again or rub in at edge and seam area.
3. Remove adhesive residues while fresh with water.

Consumption data:

Type of backing	Notch size	Consumption*
Smooth, e.g. cushioned vinyl floor coverings	A 1	250 – 300 g/m ²
Slightly relieved, e.g. PCV floor coverings	A 2	300 – 350 g/m ²
Relieved, e.g. textile floor coverings, linoleum, soft needle punch floor coverings, etc.	B 1	350 – 450 g/m ²
Relieved, rough backings, etc.	B 2	500 – 600 g/m ²

* At 20 °C and 65 % relative humidity with tempered adhesive buckets on UZIN NC 170 LevelStar.

Important Notes:

- ▶ Shelf life minimum 12 months in original packaging when stored in relatively cool conditions. Frost-resistant up to – 6 °C. Carefully and tightly reseal opened buckets and use the content as quickly as possible. Allow adhesive to reach room temperature before use.
- ▶ Optimum work conditions are 18 – 25 °C, floor temperature above 15 °C/59 °F and relative air humidity below 65 %. Low temperatures and high air humidity lengthen, whilst high temperatures and high air humidity shorten the drying time.
- ▶ Humid substrates may cause secondary emissions and odours. Therefore a good drying of the levelling compound must be observed on levelled substrates.
- ▶ Direct bonding on old adhesive residues can cause interactions and lead to unpleasant odour. Therefore old layers should ideally be removed. In all cases adhesive residues must be reworked with a barrier primer and levelled generously with a self-levelling compound at sufficient thickness (usually 3 mm).
- ▶ Before bonding floor coverings must be adequately acclimatised and free from tension and must be adapted to the common indoor climate for future use.
- ▶ In case of extreme temperatures from exposure to light, heavy mechanical strain from pallet trucks, fork lifts, etc. or when exposed to wetness from the top, contact our Technical Customer Service for advice.
- ▶ The distance between individual linoleum sheets should be as thick as a postcard.
- ▶ For the applications coating, sealing, cleaning and maintaining the products of UZIN Care can be used to (UZIN Basic Cleaner, UZIN Turbo Protect Plus, UZIN Resilient Sealer, UZIN Resilient Care, UZIN Refresher). For further information please refer the separate product data sheets.
- ▶ The following standards, regulations and publications are applicable and especially recommended:
 - DIN 18 365: "Working with floor coverings"
 - TKB specification sheet "Assessment and preparation of surfaces for floor covering and wood floor covering"
 - BEB specification sheet "Assessment and preparation of surfaces"
 - TKB specification sheet "Adhesion of PVC floor coverings"
 - TKB specification sheet "Adhesion of elastomeric floor coverings"
 - TKB specification sheet "Adhesion of linoleum floor covering"
 - TKB specification sheet "Adhesion of textile floor covering"

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 PLUS – "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 presents no physiological or ecological risk.

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:

Wherever possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free plastic 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.