

Conductive universal adhesive

# UZIN KE 2000 SL NEW



Conductive fibre adhesive for PVC, rubber, linoleum and textile floor covering in sheets and tiles

## Areas of application:

Very low-emission, electrically conductive wet and adhesion bed dispersion-based adhesive for the installation of conductive PVC, rubber, linoleum and textile flooring on absorbent and non-absorbent substrates. With short open time and heavy duty use. For interior applications.

Suitable for:

- ▶ conductive PVC covering and rubber flooring up to a thickness of 4 mm in sheets and tiles (use tooth profile 23/80)
- ▶ conductive textile floor coverings (use tooth profile 23/TL)
- ▶ conductive linoleum floor covering in sheets and tiles up to a thickness of 4 mm (use tooth profile 23/TL)
- ▶ heavy use in residential, commercial and industrial areas, e.g. in hospitals, operating theatres, computer rooms, production buildings, etc.
- ▶ strain from chair castors according to DIN EN 12 529
- ▶ wet-shampooing and spray extraction cleaning

Suitable for use on:

- ▶ absorbent, levelled substrates
- ▶ dense, non-absorbent substrates such as coatings, UZIN KR 410.
- ▶ Hot water underfloor heating

## Product benefits / features:

Ready-to-use, water-based dispersion adhesive with high final strength and conductive carbon fibres stabilising the adhesive applied and better protecting the freshly installed



UZIN ÖKOLINE



notched trowelblade included



floor covering during installation against pressure marks, e.g. from knee impressions. At the same time, the fibre additive has a positive effect on the residual impression behaviour of the installed floor covering during later use.

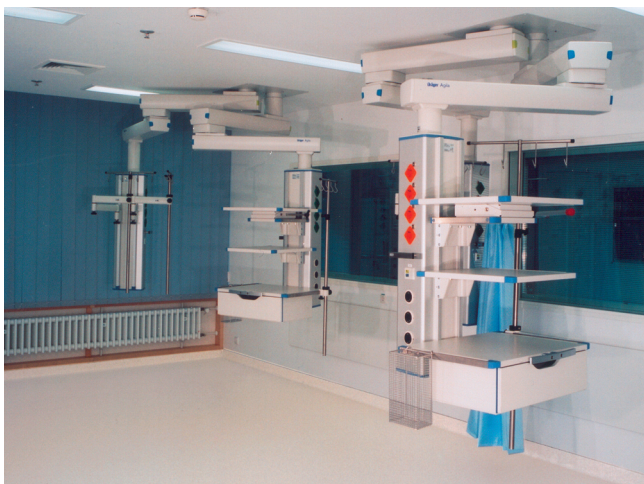
Composition: Plastic dispersions, thickeners, wetting, defoaming and preservation agents, carbon fibres, mineral fillers, water.

- ▶ Pronounced conductivity stability
- ▶ Easy to brush
- ▶ Pronounced adhesive stringing
- ▶ Fast tack
- ▶ Low consumption
- ▶ High shear resistance
- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS/very low-emission
- ▶ RAL UZ 113/very low-emission and hence eco-friendly

## Technical data:

Packaging:	Plastic bucket
Packsize:	14 kg
Shelf life:	min. 12 months
Colour:	Dark grey
Consumption:	notch size 23/80 approx. 250 – 300 g/m <sup>2</sup> notch size 23/TL approx. 500 – 600 g/m <sup>2</sup>
Working temperature:	min. 15 °C at ground level
Open time:	10 – 30 minutes*
Working time:	Approx. 1 hour*
Set to traffic:	after 24 hours*
Final strength:	after 3 days*
Sealing /jointing seams:	after 24 hours*
Leakage resistance according to DIN EN 13 415:	< 3 x 10 <sup>5</sup> Ω

\*At 20 °C and 65 % relative humidity.



## Substrate preparation:

The substrate must be sound, level, dry, free of cracks, clean and free of materials that could impair adhesion. Test the substrate in accordance with applicable standards and bulletins and report any deficiencies. Thoroughly vacuum off, prime and smooth surface. Depending on the substrate, floor covering and strain suitable primers and levelling compounds can be taken from the UZIN product overview.

Always allow primer and levelling compound to dry well all the way through. Observe the product data sheets of the other UZIN products as well as the floor coverings used.

## Conductive system:

Consult the floor covering manufacturer for the conductive system; the following versions are possible:

### With copper tape lug (sheet coverings):

Route a self-adhesive UZIN conductive copper strip, approx. 1.5 m long, for each 30 m<sup>2</sup> to the earth potential connection. The spacing of the copper tape lug may not exceed 7 m.

### With UZIN conductive copper tape:

Apply UZIN conductive copper tape to the substrate, along and centred under each row of tiles or sheet grid, from wall to wall. Connect the ends of the tapes with cross-tapes at a wall distance of approx. 30 cm. Allow one tab per approx. 30 m<sup>2</sup> subsection to protrude as connecting lug.

**The conductive system must be earthed by an electrician according to VDE regulation.**

## Consumption information:

Substrate backing	Notch size	Consumption*
Strong relief, e.g. textile backing	23/TL	500 – 600 g/m <sup>2</sup>
Coarse relief, e.g. needle punch, woven carpet	23/TL	500 – 600 g/m <sup>2</sup>
Linoleum	23/TL	500 – 600 g/m <sup>2</sup>
Rubber, sanded backing, e.g. Noraplan®	23/80	250 – 300 g/m <sup>2</sup>
PVC as sheets and tiles	23/80	250 – 300 g/m <sup>2</sup>

\* At 20 °C and 65 % relative humidity, on levelled substrates with room-temperature adhesive containers.

## Processing:

1. Apply adhesive uniformly to the substrate with the enclosed special square-notched trowel 23/80 or 23/TL and allow to dry according to the application amount, indoor climate, 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. Rub 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 surface to rest for 20 minutes and rub in seam area.

3. Remove adhesive residues while fresh with water.
4. Non-absorbent substrates have a longer open time. Installation as pressure-adhesive process.

## Important notes:

- ▶ Shelf life min. 12 months in original packaging when stored in moderately cool conditions. Frost-resistant to –6 °C. Re-seal opened containers tightly and use contents as quickly as possible. Allow adhesive to reach room temperature before processing.
- ▶ Optimum working at 18 – 25 °C, floor temperature over 15 °C and relative humidity below 65 %. Low temperatures and high humidity will delay whilst high temperatures and low humidity will accelerate the installation, setting and drying time.
- ▶ Direct bonding on old adhesive residues can cause interactions and thus unpleasant odour development. Old layers should therefore ideally be removed. At any rate, old adhesive residues need to be reworked with a barrier primer and levelled generously with a self-levelling compound at sufficient thickness (usually 2 mm).
- ▶ Moist substrates may cause secondary emissions and odours. Best possible drying of the levelling compound must therefore be observed with levelled substrates.
- ▶ Floor coverings must be adequately free from tension before bonding them and adequately acclimatized and have adapted to the indoor climate common for the future use.
- ▶ Obtain application consulting in case of extraordinary stresses (extreme exposure to light, effect of moisture, or similar).
- ▶ Obtain application consulting when used on installation substrates such as UZIN RR 185.
- ▶ Observe generally acknowledged industry and technology best practice when laying floor coverings, plus the respective applicable national standards. (e.g. EN, DIN, VOB, Ö-standard, SIA and others). The following standards and bulletins apply as well, amongst others, or are recommended for special consideration:
  - DIN 18 365 "Working with 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 covering"
  - TKB publication "Bonding of elastomer floor covering"
  - TKB publication "Bonding of linoleum floor covering"
  - TKB publication "Bonding of textile floor covering"

## Protection of the workplace and the environment:

Solvent-free. The use of skin protection lotion is recommended as a rule. Store out of the reach of children. Ensure thorough ventilation during and after working / drying! Do not eat, drink or smoke while working with the product. In the event of contact with the eyes or skin, rinse immediately with plenty of water. Do not dispose of into the sewer system, open water or the soil. Clean tools with water and soap immediately after use. The basic prerequisites for optimal room air quality after floor covering work consist of installation conditions conforming to standards and well-dried substrates, primers and levelling compounds.

Product contains isothiazolinones.

For allergy information, call +49 (0)731 4097-0 (Germany).

## Disposal:

Collect and reuse product residues wherever possible. Do not dispose of into the sewer system, open water or the soil. Plastic containers emptied or scraped clean and no longer dripping from any residues can be recycled. Containers with liquid residues are classified as special waste, as are collected liquid product residues. Containers with residues that have dried solid are classified as construction / household waste.