

UZIN KE 2000 SL

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

MAIN APPLICATION FIELD:

UZIN KE 2000 SL is a universal, very low-emission, electrically conductive wet and adhesion bed dispersion-based adhesive with a wide range of applications on smoothed, absorbent substrates. Bonding on non-absorbent or less absorbent substrates is also possible taking into account special measures. The embedded carbon fibres reduce the residual indentation behaviour of the installed floor covering.

For interior applications

SUITABLE ON / FOR:

- ▶ for conductive rubber floorings up to a thickness of 3 mm in sheets
- ▶ for conductive PVC floorings in sheets and tiles
- ▶ for conductive textile floorings
- ▶ for conductive linoleum floorings up to a thickness of 4 mm
- ▶ on absorbent and smoothed substrates
- ▶ to a limited extent also usable on dense, non-absorbent substrates
- ▶ on warm water underfloor heating system
- ▶ for exposure to castor wheels in accordance with DIN EN 12 529 from 1 mm thickness of smoothing compound
- ▶ for heavy wear in residential, commercial and industrial locations
- ▶ for wet shampooing and spray extraction cleaning according to RAL 991 A2



PRODUCT BENEFITS/FEATURES:

UZIN KE 2000 SL offers a fast tack and a wide range of applications.

- ▶ Excellent working properties
- ▶ Low consumption
- ▶ Pronounced conductivity stability

TECHNICAL DATA:

Packaging	plastic bucket
Pack size	14 kg
Shelf life	min. 12 months
Colour	dark grey
Consumption	approx. 250 - 600 g/m ²
Open time	10 - 30 minutes*
Working time	15 - 30 minutes*
Minimum application temperature	15 °C at ground level
Loadable	after approx. 24 hours*
Joint sealing	after approx. 24 hours*
Electrical resistance	according to DIN EN 13 415: < 3 x 10 ⁵ Ω
Final strength	after approx. 3 days days*

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



SUBSTRATE PREPARATION:

The substrate 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 smoothed thoroughly. Suitable primers and smoothing 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. Uniformly apply adhesive with suitable trowel notch onto the substrate – usually the notch supplied with the lid must be used – and allow to partially dry depending on application amount, indoor climate, absorbency of the substrate and 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 notch 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 / roll in seam area.
3. Remove adhesive residues while fresh with water.

CONDUCTION SYSTEM:

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

With copper tape tag (sheet coverings):

For every 30 m² install approx. 1.5 metres of self-adhesive UZIN Copper-Strip to an earth connection point. The distance between individual copper-strip tags must not exceed 7 m.

With UZIN conductive copper tape:

Install a UZIN copper-strip to the substrate centrally along the length of every sheet width and from wall to wall. Connect the ends of the strips with a cross-strip laid approx. 30 cm from the wall. For every approx. 30 m² of area, leave exposed one strip for use as an earth connection point.

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

CONSUMPTION:

Covering type / backing:	Notch size	Consumption*
Textile backing, needle Punched, woven carpet, linoleum	23/TL	500 – 600 g/m ²
Rubber floorings in sheets, PVC floorings in sheets and tiles	23/80	250 – 300 g/m ²

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 >15 °C/58 °F and relative air humidity <65>
- ▶ Moist substrates may cause secondary emissions. Therefore a good drying of the levelling compound must be observed on levelled substrates.
- ▶ Direct bonding on old adhesive residues can cause interactions. 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 2 mm).
- ▶ Before bonding floor coverings must be adequately acclimatized and free from tension and must be adapted to the common indoor climate for future use.
- ▶ If the floor covering is exposed to extreme temperatures from sunlight, heavy mechanical load from trucks, fork lifts etc., or if moisture is introduced from above consult UZIN Technical Service for advice.
- ▶ Non absorbent substrates lengthen the working time. Transition bonding method is recommended.
- ▶ Alternatively, PVC sheet material can also be applied using the double-drop method. The adhesive is applied with the notched trowel. This is directly followed by using a foam roller to briefly roll down the adhesive. The floor covering can then be quickly laid onto the adhesive film and rolled on firmly.
- ▶ If bonding on underlays such as UZIN RR 185 please ask UZIN Technical Service for advice.
- ▶ 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.
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- ▶ 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 substrates for floor covering and wood flooring installation”
 - BEB specification sheet “Assessment and preparation of substrates”
 - TKB specification sheet “Adhesion of PVC floor coverings”
 - TKB specification sheet “Adhesion of elastomeric floor coverings”
 - TKB specification sheet “Adhesion of linoleum floor coverings”
 - TKB specification sheet “Adhesion of textile floor coverings”

SEALS OF QUALITY & ECOLABELS:

- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission
- ▶ DE-UZ 113 / Environmentally friendly because of low emissions

COMPOSITION:

Polymer dispersion, modified resins, fibres, 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. Keep out of the reach of children. Do not eat, drink or smoke during the installation. After contact with eyes or skin, wash immediately with plenty of water. Do not allow dispersal into drains, sewers or ground. Rinse tools with water and soap immediately after use. When fully dried 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. Product contains isothiazolinones, Bronopol. Hotline for allergy information +49 731 4097-0.

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.