PRODUCT DATA SHEET

Conductive Universal Adhesive

UZIN KE 2000 SL

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

Description:

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 levelled, absorbent substrates. Bonding on non-absorbent or low-absorbent substrates is also possible taking into account special measures.
The embedded carbon fibres reduce the residual indentation behaviour of the completely installed floor covering. For interior applications.

As a universal adhesive

- 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 levelled 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 levelling compound
- for heavy wear in residential, commercial and industrial locations
- for wet shampooing and spray extraction cleaning according to RAL 991 A2

UZIN ÖKOLINE

www.blauer-engel.de/uz113

notched trowelblade included

Product benefits / properties:

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

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

- Excellent working properties
- Low consumption
- Pronounced conductivity stability
- Solvent-free
- EMICODE EC 1 PLUS / very low emission
- RAL-UZ 113 / Environmentally compatible because of low emission

Technical data:

Packaging:	Plastic bucket
Packsize:	14 kg
Shelf life:	minimum 12 months
Colour wet / dry:	Dark grey / dark grey
Consumption:	23 / 80 approx. 250 – 300 g/m² 23 / TL approx. 500 – 600 g/m²
Working temperature:	min. 15 °C at floor level
Open time:	10 – 30 minutes*
Working time:	15 – 30 minutes*
Set to traffic:	after 24 hours*
Final strength:	after 3 days*
Sealing / jointing seams:	after 24 hours*
Leakage resistance according to DIN EN 13415:	< 3 x 10^5 Ω

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

UZIN | A brand of Uzin Utz Group

DE | Uzin Utz AG | Dieselstraße 3 | 89079 Ulm | Telefon +49 731 4097-0 | Telefax +49 731 4097-110 | E-Mail info@uzin.de | Internet www.uzin.de
GB | Uzin Utz UK Ltd. | Unit 2, Mitchell Court | Central Park, Rugby, Warwickshire | CV23 0UY | Phone +44 1788 530 080 | Fax +44 1788 536 508
E-mail uzin.uk@uzin-utz.com | Internet www.uzin.co.uk

ballister

UZIN KE 2000 SL

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 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.

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 m² 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 m² subsection to protrude as connecting lug. The floor covering manufacturer regulation for the arrangement of the copper strips applies. Obtain application advice in case of doubt.

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

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 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.

Consumption:

Substrate backing	Notch size	Consumption*
Textile backing, needle Punche, woven carpet, linoleum	23/TL	500 – 600 g/m²
rubber floorings in sheets, PVC floorings in sheets and tiles	23/80	250 – 300 g/m²

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

Important:

- 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 %. Low temperatures and high air humidity lengthen, whilst high temperatures and low air humidity shorten the drying time.
- 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.
- 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 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"

Protection of the Workplace and the Environment:

Solvent-free. The use of skin protection lotion is always recommended. Store out of reach from children. Provide thorough ventilation during and after processing/drying! Avoid eating, drinking and smoking while processing the product. In the event of contact with the eyes or skin, rinse thoroughly and immediately with water. Do not allow to enter the sewer system, bodies of water or the soil. Clean the tools with water and soap immediately after use.

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 ododur 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. **Product contains isothiazolinones. Information for persons with allergies is available at +49 (0)731 4097-0 (Germany).**

Disposal:

Where 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.

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 Data Sheet invalidates all previous Product Information. The respective updated version of this datasheet can be found on our Homepage under www.uzin.com.