

PRODUCT DATA SHEET

Premium Lino Adhesive

UZIN LE 44

extremely
shear-resistant



Water-based adhesive for linoleum in strips and cork underlay on absorbent substrates

Description:

UZIN LE 44 is a very fast dispersion adhesive for linoleum, korklinoleum and korkment. The wet adhesive with short open time offers high shear resistance and a high final strength. For interior use.

As a special adhesive:

- ▶ for untreated linoleum in sheets and tiles up to 4 mm
- ▶ for coated linoleum in sheets and tiles up to 4 mm



- ▶ for korkment underlays and for bonding linoleum on bonded korkment substrates
- ▶ 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 heavy wear in commercial locations or facilities, e.g. hospitals or highly frequented shopping malls



UZIN LE 44 combined in a system with linoleum floor coverings of Armstrong DLW AG and Forbo Flooring GmbH provides verification of flame-retardant properties (DIN EN 13 501-1). Certificates can be requested from the covering manufacturer.

Provides the highest possible level of emission safety and contributes towards creating a healthy room climate. Marked with the "Blue Angel" for low-emission floor covering adhesives and other installation materials according to RAL-UZ 113.



www.blauer-engel.de/uz113

Product benefits / properties:

UZIN LE 44 offers an excellent early strength and a very high dimensional stability, which allows fast joint covering with fuse wire.

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

- ▶ Excellent working properties
- ▶ Short open time
- ▶ Fast development of strength
- ▶ Extremely hard adhesive ridge
- ▶ 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:	light grey / light grey
Consumption:	approx. 400 g/m ²
Working temperature:	min. 15 °C at floor level
Open time:	5 – 10 minutes*
Working time:	10 – 25 minutes*
Set to traffic:	after 24 hours*
Final strength:	after 3 days*
Sealing / filling joints:	after 12 hours*

*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

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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:

Covering type/ Backing type	Notch Size	Consumption*
Linoleum in strips, cork underlay and linoleum on cork	B 1	approx. 400 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 2 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.
- ▶ Severe roll-end deformation, buckling or squeeze wrinkles, edges sticking up to an extreme degree or covering curvature have to be loaded during bonding.
- ▶ For areas that experience heavy loads, e.g. industrial halls with fork lift or pallet truck traffic, in case of extreme temperatures from exposure to light or when exposed to wetness from the top, the 2-component dispersion / cement adhesive UZIN KE 603 or the 2-K-PU adhesive UZIN KR 430 must be used.
- ▶ 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 covering"
 - 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 linoleum floor covering"

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. 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.

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.

