

PRODUCT DATA SHEET

Lino Adhesive

UZIN LE 44

extremely
shear-resistant



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

Description:

Very fast, water-based adhesive for linoleum in strips, cork-linoleum, as well as for corking. Suitable for surface-bloomed linoleum, e.g. with PU, topshield™ or X-treme Finish xf™ surface, however, it is of course just as suitable for untreated linoleum. Wet adhesive with short drying time, extremely high shear strength and high level of final strength. For internal use only and for bonding on well-absorbent substrates.

Suitable for/on:

- ▶ linoleum covers in strips up to 4.0 mm thickness
- ▶ corking underlay substrates, as well as for the adhesion of linoleum on bonded corking underlay
- ▶ smoothed, flat and absorbent substrates
- ▶ normal stressing levels in the residential, commercial and industrial sectors
- ▶ warm water underfloor heating
- ▶ stressing with chair castors to DIN EN 12 529

Product Properties / Benefits:

UZIN LE 44 is characterised by its short drying time and its fast grip capability. Surface-bloomed linoleum covers can be laid securely and without problems. In addition, UZIN LE 44 has a very high level of dimensional stability and excellent early strength, which allows fast joint covering with fuse wire. The lino adhesive meets the highest requirements of occupational health and safety as regards, room air quality and environmental compatibility, and combines this with the requirements on professional floor-laying in commercial buildings, e.g. in hospitals, child-care centres, office buildings or schools.



UZIN LE 44, combined in a system with linoleum covers from 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.

Composition: Modified polyacrylate copolymers, resins and ester gums of vegetable origin, thickeners, wetting agents, anti-foaming agents and preservatives (isothiazolinone), further additives and mineral filling materials, as well as water.

- ▶ Short drying time
- ▶ Optimum adhesion properties
- ▶ Rapid force development
- ▶ Extremely shear-resistant adhesive grooving
- ▶ Inside use
- ▶ Solvent-free
- ▶ EMICODE EC 1/Very low emissions

Ideal for linoleum covers with, e.g. surface coating:



Technical Data:

Packaging:	plastic bucket
Packsize:	14 kg
Shelf life:	min. 12 months
Colour:	light grey
Consumption:	approx. 400 g/m ²
Working temperature:	min. 15 °C / 59 °F at floor level
Drying time:	0 – 10 minutes*
Working time:	10 – 25 minutes*
Load bearing:	after 24 hours*
Final strength:	after 3 days*
Joint fusion:	after 12 hours*

*At 20 °C / 68 °F and 65% relative air humidity.

UZIN | A Brand of UFLOOR Systems

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Substrate Preparation:

The substrate must be sound, level, dry, crack-free, clean and free from materials which impair adhesion. Check the substrate in accordance with applicable standards and specification sheets, and report any deficiencies. Vacuum off the surface thoroughly, and prime and smooth. According to substrate, upper coating and stressing level, employ suitable priming and levelling compounds from the UZIN product range.

Smooth off absorbent, or also non-absorbent substrates, such as e.g. new calcium sulphate screeds or sealed old substrate base, at least 2 mm thick. Always allow the priming and levelling compound to dry out well.

Refer to the Product Data Sheets for other products used.

Application:

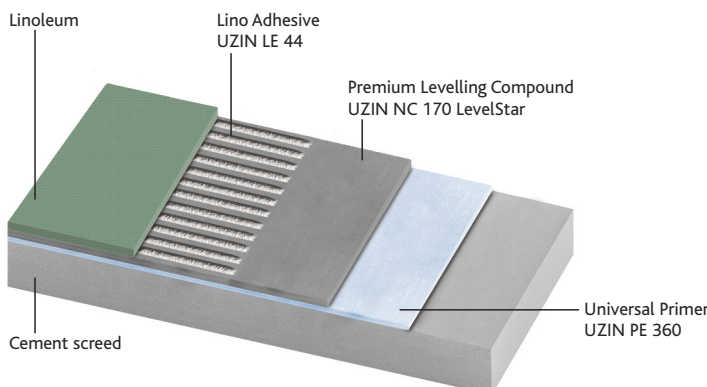
1. Apply the adhesive uniformly on the substrate with notched trowel B1, and allow to de-aerate according to application quantity, room climatic conditions and substrate. Apply only as much adhesive which allows for good wetting of the covering rear side within the laying time.
2. Lay covering, rub/roll over entire surface and fold back heads and/or covering edges which are not level prior to laying to promote destressing, in order to balance laying stresses. Rework remaining indents, heads and joints again after 20 minutes. Do not allow any air to get trapped under the covering.
3. Remove adhesive residues in fresh status with warm water.

Consumption Data:

Backing types	Notch Size	Consumption*
Linoleum in strips, cork-linoleum, corking, linoleum on corking	B1	approx. 400 g/m ²

*At 20 °C/68 °F and 65% relative air humidity, on smoothed substrates and tempered adhesive containers.

Application Exemple:



Important Notes:

- ▶ Shelf life minimum 12 months in original containers when stored in relatively cool conditions. Protect against frost. Tightly re-seal opened containers and use the contents quickly. Allow adhesive to come to room temperature before processing.
- ▶ Optimum working conditions are 18 – 25 °C/64 – 77 °F, floor temperature above 15 °C/59 °F and relative humidity below 65%. Low temperatures and high air humidity delay the laying, drying and curing maturity, while high temperatures and low air humidity accelerate them.
- ▶ Before bonding, coverings must be sufficiently de-stressed, acclimatised and adapted to the room climatic conditions usual for later use.
- ▶ For the laying of linoleum tiles, and generally in case of highly-stressed areas, e.g. industrial halls with forklift or lifting wagon loading, the 2-component water-based/cement adhesive UZIN KE 603 is to be employed.
- ▶ In system combination with linoleum covers from Armstrong DLW AG and Forbo Flooring GmbH, it provides verification of flame-retardant properties (DIN EN 13 501-1). Certificates can be requested from the covering manufacturer.
- ▶ Among other things, the following standards and specification sheets are applicable and/or recommended for special observation:
 - DIN 18 365 "Working with floor coverings"
 - Specification sheet of the Industrial Association of Adhesives "Assessing and preparation of substrates – bonding of elastic and textile floor coverings"
 - TKB specification sheet "Assessing and preparation of substrates for floor covering and parquetry work"
 - BEB publication "Assessing and preparation of substrates"
 - TKB specification sheet "Bonding linoleum floor coverings"

Protection of the Workplace and the Environment:

Solvent-free. Non-flammable. Use of barrier cream and ventilation of the work area are recommended. EMICODE EC 1 – 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 is ecologically and physiologically harmless. 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:

Where possible, collect all product waste and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free plastic buckets 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.