

2-Component Dispersion Adhesive

UZIN KE 603

Self-drying adhesive for linoleum and carpets on non-absorbent substrates

Description:

Rapid setting, 2-component, dispersion-cement adhesive for linoleum, textile floor covering and for resilient UZIN insulation- and installation- underlays in interior locations.

Suitable for / on:

- ▶ sheet and tile linoleum, cork-linoleum
- ▶ needlepunch and woven carpets
- ▶ all resilient UZIN insulating and installation underlays
- ▶ on absorbent and especially non-absorbent surfaces
- ▶ existing and intact old floor coverings
- ▶ heavy wear usage in project and industrial locations, renovation projects and sports-halls
- ▶ warm water underfloor heating systems, for areas exposed to castor wheels in accordance with DIN EN 12 529
- ▶ wet-shampoo or sprayextraction cleaning systems.
- ▶ as a system component for high-speed construction

Multipurpose special adhesive for rapid drying and strength development even on non-absorbent surfaces or those with only low absorbency, e.g. in sports surface installations.

Product Properties / Benefits:

Water-based dispersion component A with cement component B. When mixed with water, produces a viscous wet-bed adhesive that hydraulically converts the majority of its own water content, rather than allowing it to absorb into the substrate or the covering. High suction-bond, good filling capacity and high final strength.



Binding agent: Modified styrol-acrylate copolymers and special cements.

- ▶ Hydraulically self-drying
- ▶ Short open time
- ▶ Cement and dispersion for mixing
- ▶ For permeable and impermeable coverings
- ▶ On absorbant and dense surfaces
- ▶ Solvent-free (dispersion component)
- ▶ Low chromate content (powder component)

Technical Data:

Packaging:	plastic drum + paper bag
Packsize (A+B):	10 kg (5 kg dispersion + 5 kg powder)
Shelf life:	min. 12 months
Colour:	A + B = light grey / (A=white), (B=grey)
Mixing ratio:	A : B = 1 : 1 parts by weight
Pot life:	30 – 40 minutes*
Consumption:	350 – 500 g / m ²
Pot life:	30 – 40 minutes*
Open time:	5 – 15 minutes*
Working time:	10 – 15 minutes*
Set to foot traffic / load bearing:	after 12 hours*
Seam-welding:	after 12 hours*
Final strength:	after 1 – 2 days*

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

Substrate Preparation:

The substrate must be level, sound, dry, free from cracks, clean and free from materials that would impair adhesion.

Test the substrate in accordance with applicable standards and notices and report any deficiencies.

Thoroughly vacuum the surface, then prime and apply smoothing compound. According to substrate type and occupational use, select suitable primer and smoothing compound from the UZIN Product Guide.

Abrade an vacuum non-absorbant substrates such as coatings, 2-Component PU Levelling Compound or other smooth substrates.

Always allow primers and smoothing compounds to dry thoroughly.

Refer to the Product Data Sheets for the products used.

Application:

1. Sprinkle Powder B into Dispersion A whilst stirring vigorously and blend to a lump-free adhesive. Mix thoroughly for several minutes. Use suitable mixing equipment with a mixing blade or whisk attachment. Only mix as much adhesive as can be used within approx. 30 minutes.
2. Apply the adhesive evenly onto the subfloor with a notched trowel (see "Consumption") and then leave for an open time according to the quantity applied, the climatic conditions and the absorbency of the subfloor. Only apply as much adhesive as can be covered within the working time.
3. Lay the floor covering immediately into the wet adhesive bed, rub down over the whole surface and, after 10 – 20 minutes, rub down again or roll. On dense surfaces, according to adhesive quantity and climatic conditions, can be left for an open time of 5 – 15 minutes so as to avoid leaving pressure-marks in the adhesive during installation work. Good adhesive transfer to the backing of the covering must be ensured in all cases.
4. Use water to remove adhesive contamination whilst still fresh.

Consumption:

Backing structure	Trowel Notch	Consumption
Structured, e.g. TR-Rücken, linoleum	B1	350 – 450 g / m ²
Coarse, e.g. coarse needlepunch	B2	450 – 550 g / m ²

Important Notes:

- ▶ Shelf life minimum 12 months in original containers when stored in relatively cool conditions. Optimum store conditions: 15 – 25 °C / 59 – 77 °F. Use the contents as quickly as possible.
- ▶ Optimum working conditions are 18 – 25 °C / 64 – 77 °F, floor temperature above 15 °C / 59 °F, relative humidity below 75 %. Low temperatures and high humidity lengthen, whilst high temperatures and low humidity shorten the working-, setting- and drying- times.
- ▶ A problem-solving adhesive for the skilled, professional tradesman. In the absence of experience of the particular coverings or substrates, obtain technical advice or conduct an adhesion test.
- ▶ In all cases, refer to the installation instructions of the covering manufacturer.
- ▶ The following standards and notices are applicable and especially recommended: DIN 18 365 "Working with floor coverings"/publication by the Adhesives Industry Association "Assessment and preparation of substrates – adhesion of resilient and textile floor coverings"/publication by the Central Association of German Construction Trades (ZDB) "Resilient and textile floor coverings and parquet on heated floor constructions".

Protection of the Workplace and the Environment:

Dispersion component A:

Solvent-free. Non-flammable. Requires no special protection or precautions in general use. Use of barrier cream and ventilation of the work area are recommended.

Powder component B:

Contains cement low in chromate acc. Directive 2003/53/EC. Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse immediately with water. In the event of skin or eye irritation, seek medical advice. When mixing wear a protective dust-mask. Use protective gloves. Presents no physiological or ecological risk when fully cured.

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 product residues and re-use. Do not allow dispersal into drains, sewers or ground. Comp. A: Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste, those with cured residues are Construction Waste. Comp. B: Empty paper bags are recyclable. Collect waste material, mix both components and allow to harden, then dispose as Construction Waste.