

UZIN KE 603

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

Description:

UZIN KE 603 is a rapid setting 2-component dispersion-cement-adhesive. The adhesive dries hydraulically and is used especially on dense substrates. For interior use.

As a special adhesive:

- ▶ for PVC or linoleum in sheets and tiles and for cork-linoleum
- ▶ for needle punch and woven textile floor coverings
- ▶ on absorbent and levelled substrates
- ▶ for and on all UZIN insulation and installation underlays
- ▶ on existing and intact old floor coverings
- ▶ as a rapid construction system component
- ▶ 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
- ▶ suitable for wet shampooing and spray extraction cleaning according to RAL 991 A2

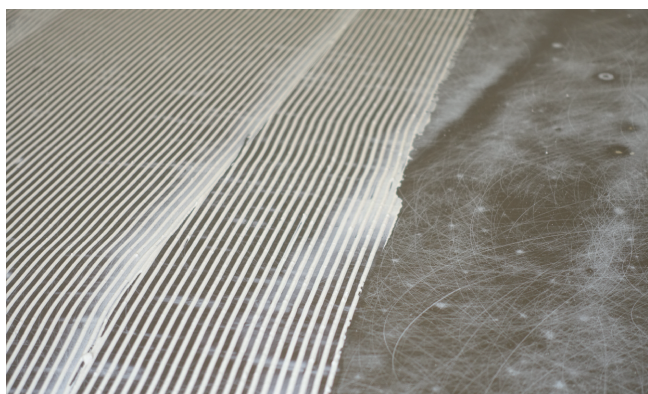


Product benefits / properties:

UZIN KE 603 offers an excellent filling capacity and a high final strength.

Composition: Aqueous polymer dispersion, special cements.

- ▶ For use up to 85 % RH
- ▶ Hydraulically self-drying
- ▶ Short open time
- ▶ Fast resilient
- ▶ Low chromate content (powder component)
- ▶ Solvent-free (dispersion component)
- ▶ EMICODE EC 1 R PLUS/Very low emission



Technical Data:

| | |
|----------------------|-------------------------------|
| Packaging: | plastic drum and paper bag |
| Packsize: | 10 kg combined unit |
| Shelf life: | min. 12 months |
| Colour wet / dry: | grey / grey |
| Mixing ratio: | A : B = 1 : 1 parts by weight |
| Pot life: | 30 – 40 minutes* |
| Consumption: | 350 – 500 g / m ² |
| Working temperature: | min 15 °C at floor level |
| Open time: | 5 – 15 minutes* |
| Working time: | 10 – 15 minutes* |
| Set to traffic: | 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 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. Non-absorbant substrates, e.g. the 2-component PUR levelling compound UZIN KR 410 or other smooth substrates have to be abraded and vacuumed. 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. 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.
2. 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.
3. Install 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. Rug in or roll out or apply weight against extreme flooring deformation or mill first. Ensure that air is not trapped under the covering. On dense substrates, according to adhesive quantity and climatic conditions, the adhesive can be left for an open time of 5 – 15 minutes to avoid pressure-marks in the adhesive during installation.
4. Remove adhesive residues while fresh with water.

Consumption Data:

| Covering type / Backing type | Notch size | Consumption* |
|--------------------------------------|------------|----------------------------|
| Structured, e.g. TR-Rücken, linoleum | B1 | 350 – 450 g/m ² |
| Coarse, e.g. coarse needlepunch | B2 | 450 – 550 g/m ² |

*At 20 °C and 65 % relative humidity, with tempered adhesive buckets on smooth substrates.

Important Notes:

- ▶ Shelf life minimum 12 months in original packaging when stored in relatively cool conditions. Protect from frost. Optimum store conditions: 15 – 25 °C. Use content as quickly as possible.
- ▶ Optimum work conditions are 18 – 25 °C, floor temperature above 15 °C / 59 °F and relative air humidity below 75%. Low temperatures and high air humidity lengthen, whilst high temperatures and high air humidity shorten the drying time.
- ▶ Problem-solving adhesive for the skilled processor. In the absence of experience with certain coverings or substrates, obtain technical advice or conduct an adhesion test.
- ▶ Before bonding floor coverings must be adequately acclimatised and free from tension and must be adapted to the common indoor climate for future use.
- ▶ 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:

Dispersion component:

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:

Contains cement low in chromate acc. Regulation (EC) No 1907/2006 (REACH). 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.

EMICODE EC 1 R PLUS – "very low emission". Within the scope of current knowledge, gives off no emissions of formaldehyde, hazardous materials or volatile organic compounds (VOC).

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 substrates, primer and smoothing compound.

Disposal:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. **Dispersion component:** 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. **Powder Component:** Empty paper bags are recyclable. Collect waste material, mix both components and allow to harden, then dispose as Construction Waste.