Product Datasheet

Fibre-reinforced, high temperature adhesive

UZIN KE 66 HT

Fibre-reinforced, high temperature adhesive for vinyl, LVT and rubber in sheets and tiles up to 4 mm

MAIN APPLICATION FIELD:

- luxury vinyl tiles
- vinyl, PVC and CV floor coverings in sheets and tiles
- rubber floor coverings in sheets and tiles up to 4 mm (e.g. norament®, noraplan® or noraplan® acoustic)

SUITABLE ON / FOR:

- absorbent and levelled substrates
- warm water underfloor heating systems
- exposure to castor wheels in accordance with DIN EN 12 529
- wet shampooing and spray extraction cleaning according to RAL 991 A2
- suitable for commercial and industrial locations



PRODUCT BENEFITS/FEATURES:

UZIN KE 66 HT is a wet-set, fibre-reinforced adhesive with a short open time and excellent adhesion, suitable for installation in areas subject to very low temperatures or high solar gain. The highly shear-resistant adhesive reduces the formation of pressure marks on the floor covering. For interior use.

- short waiting time
- can be used in temperatures from -20 °C up to +70 °C*
- CO2-reduced product**

*in dry state

**Over 90% CO_2 reduction compared to the conventional formulation of UZIN KE 66 HT. Cradle-to-gate internal calculation based on ISO 14040/44

TECHNICAL DATA:

Packaging	plastic bucket
Pack size	6 kg, 14 kg
Shelf life	min. 12 months
Colour, wet	beige
Colour, dry	beige
Consumption	170 - 260 g/m²
Open time	Tiles, planks: 5 - 10 minutes*** / sheets: 20 - 25 minutes***
Working time	approx. 20 minutes***
Minimum application temperature	15 °C at ground level
Loadable	after approx. 24 hours***
Joint sealing	after 24 hours***
Final strength	after approx. 3 days***

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



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EXTENDED APPLICATIONS:

- carpets

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and materials (dirt, oil, grease) that would impair adhesion. The surface must be vacuumed, primed and smoothed. Suitable primers and compounds can be found in the UZIN Product Guide. Test the substrate in accordance with applicable standard or notices and report any deficiencies. Allow the primer and levelling compound to dry completely.

The datasheets for other used products have to be observed.

APPLICATION:

1. Apply an even coat of adhesive onto the substrate using a suitable notched trowel 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 transfer onto the back of the covering within the working time.
2. Install the floor covering within a short open time and ensure the adhesive ridge is pressed out. Rub in or roll over and apply weight against any flooring deformation. Ensure that air is not trapped under the covering. Allow the area to rest for 20 minutes and then roll over again and rub in at edge and seams.
3. Remove adhesive residues while fresh with water.

CONSUMPTION INFORMATION:

Toothing	Coating/Backing	Consumption approx.*
A2	PVC LVT, PVC and CV coverings	220 - 260 g/m²
A2	Rubber sheets and tiles	220 - 260 g/m²
A1	PVC LVT with smooth backing	170 - 230 g/m²

IMPORTANT NOTES:

- A shelf life of 12 months when stored in moderately cool conditions, in the original packaging. Frost-resistant down to - 8 °C. Carefully and tightly reseal opened containers and use the contents quickly. Allow containers to come to room temperature before use.
- Best applied between 18 - 25 °C, with the floor temperature above 15 °C and relative air humidity below 65%. Low temperatures and high air humidity lengthen the working and drying time. Whilst high temperatures and low air humidity shorten the working and drying time.
- Humid substrates may cause secondary emissions and odours. Therefore, ensure the compound is dry before applying the adhesive.
- Installations onto substrates with old adhesive residues may cause interactions and lead to unpleasant odours. Ideally these should be removed completely. In all situations adhesive residues must be remedied via the use of primers and coatings of compound at least 3 mm thick.
- Before installing, the floor covering must be adequately acclimatised to the indoor climate and free from tension.
- UZIN KE 66 HT can be used in areas subject to high temperatures up to 70 °C. However if a floor covering is being installed in areas with extreme temperatures, a reaction resin adhesive (e.g. UZIN KE 68 or UZIN KR 430) is recommended.
- Strong deformation of the roll ends, hanging bays, extremely raised edges or strong curvatures must be weighed down during the adhesion.
- Please check the adhesive recommendations (online) or obtain application advice when installing chlorine-free floor coverings.
- When sealing, cleaning and maintaining the floor covering, products from the UZIN Care range can be used (UZIN Basic Cleaner, UZIN Turbo Protect Plus, UZIN Resilient Care, UZIN Refresher). For further information please refer to the product data sheets.
- Follow the generally acknowledged rules of the trade and technology for the installation of floor covering in respective of the applicable national standards (e.g. END, DIN, OE, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- Solvent-free
- EMICODE EC 1 PLUS / Very low emission
- Blue Angel according to DE-UZ 113 / Environmentally friendly because of low emissions
- European Model EPD
- Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

COMPOSITION:

Polymer dispersion, modified resins, preservation agents, mineral aggregates, additives and water.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free. Use of barrier cream and ventilation of the work area are recommended. Keep out of the reach of children. Do not eat, drink or smoke during the installation. After contact with eyes or skin, wash immediately with plenty of water. Do not allow dispersal into drains, sewers or ground. Rinse tools with water and soap immediately after use. Product contains fibres based on synthetic polymer microparticles (SPM). Keep container tightly closed. Immediately collect spilled material from damaged containers and reuse or dispose of properly. 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, Bronopol. Hotline for allergy information +49 731 4097-0.

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 datasheet invalidates all previous Product Information. The respective updated version of this datasheet can be found on our website:www.uzin.co.uk

DISPOSAL:

Where possible, collect product residues and re-use. Product contains synthetic polymer microparticles (SPM). Avoid release to the environment. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free 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.

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