

# PRODUCT DATA SHEET



Fibre-Reinforced Adhesive

# UZIN KE 66



High temperature adhesive for luxury vinyl tiles, vinyl and rubber

## Description:

UZIN KE 66 is a wet-bed dispersion adhesive with short open time and excellent adhesion. The high shear-resistant and fibre-reinforced adhesive reduces the formation of pressure marks on the installed floor covering. For interior use.

## As a special adhesive:

- ▶ for PVC design floor coverings (luxury vinyl tiles)
- ▶ for PVC and CV floor coverings in sheets or tiles
- ▶ for rubber floor covering in sheets and tiles up to 4 mm with smooth or hammered surface (e.g. norament®, noraplan®, or noraplan® acoustic)
- ▶ for chlorine-free enomer floor coverings (e.g. Upofloor Lifeline®)
- ▶ 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 residential, commercial and industrial locations
- ▶ areas subject to high temperatures. Please also refer to important notes

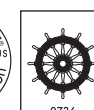


Provides the highest possible level of emission safety and contributes towards creating a healthy room climate.

Marked with the "Blue Angel" for low-emission floor covering adhesives and other installation materials according to RAL-UZ 113.



## UZIN ÖKOLINE



[www.blauer-engel.de/uz113](http://www.blauer-engel.de/uz113)

LEED contributing product

## Product benefits / properties:

UZIN KE 66 offers high dimension stability and a minimized formation of joints.

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

- ▶ Odourless during and after application
- ▶ Excellent working properties
- ▶ Very low consumption
- ▶ Short open time
- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS/Very low emission
- ▶ RAL-UZ 113/Environmentally compatible because of low emission

## Technical Data:

Packaging:	Plastic bucket
Packsizes:	6 kg, 14 kg
Shelf life:	minimum 12 months
Colour wet / dry:	cream white / cream white
Consumption:	240 – 280 g/m <sup>2</sup>
Working temperature:	min. 15° C at floor level
Open time tiles, planks:	5 – 10 minutes*
Open time sheet coverings:	20 – 25 minutes*
Working time:	approx. 20 minutes*
Set to traffic:	after 24 hours*
Final strength:	after 3 days*
Sealing / filling joints:	after 24 hours*

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

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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.

## Thicknesses of levelling compound:

- ▶ non absorbent or moisture sensitive substrates → 2 mm (with rubber 3 mm)
- ▶ new calcium sulphate screeds → 1 – 2 mm (with rubber 2 mm)
- ▶ on existing substrates → min. 2 mm (with rubber 3 mm)

## 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*
PVC design coverings, LVTs PVC coverings, CV coverings	A 2	approx. 280 g / m <sup>2</sup>
Rubber sheets and tiles up to 4 mm	A 2	approx. 280 g / m <sup>2</sup>
PVC design floor coverings with smooth backing	A 1	approx. 240 g / m <sup>2</sup>

\* 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 –8 °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 3 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.
- ▶ Can be used in areas subject to high temperatures. However if a floor covering is being installed in areas with extreme temperatures, for example, a south facing building with large windows which could magnify the temperature, UZIN KR 430 is recommended. If in doubt please consult our Technical Department.
- ▶ In case of extreme temperatures from exposure to light, heavy mechanical strain from pallet trucks, fork lifts, etc. or when exposed to wetness from the top, a synthetic resin adhesive such as UZIN KR 430 must be used. In case of doubt, contact our Technical Customer Service for advice.
- ▶ 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 18365 "Working with floor coverings"
  - 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 elastomeric floor coverings"

## 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. Within the scope of current knowledge, gives off no emissions or formaldehyde, hazardous materials or volatile organic compounds (VOC). 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. For allergy information, call +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.