PRODUCT DATA SHEET

Single component. No mixing, no waste!

High Temperature Adhesive

UZIN KE 49 HT

High temperature or pressure sensitive adhesive for hybrid application

Description:

UZIN KE 49 HT is a strong adhesive, specially designed for luxury vinyl tiles and vinyl. The hybrid application enables it to be used either as a pressure sensitive adhesive or as a high temperature adhesive in areas where coverings are exposed to extreme temperatures. It also minimizes the shrinkage of the coverings. For interior use.

As a special adhesive:

- for homogeneous and heterogeneous vinyl floor coverings in sheets and tiles
- for LVT

- on absorbent and levelled substrates with suitable cohesive strength
- on dense substrates (e.g. coatings or UZIN KR 410) with the double drop method
- 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
- can be used like a "contact adhesive"
- for areas exposed to extreme temperatures (only when a wet / semi-dry method is used to install the floor covering)

Product benefits / properties:

UZIN KE 49 HT offers a strong thread formation with a high initial and final adherence.

Composition: Aqueous polymer dispersion, preservation agents, mineral-based fillers, modified resins, water and additives.

- Temperature tolerance from –20 °C up to +60 °C**
- Very long working time
- High initial and final tack
- Good resistance to plasticisers
- Solvent-free

Technical Data:

Packaging:	Plastic bucket
Pack size:	6 kg, 14 kg
Shelf life:	minimum 12 months
Colour wet / dry:	blue / blue
Consumption:	200 – 300 g/m²
Working temperature:	min. 15 °C at floor level
Open time:	10 – 60 minutes*
Working time:	15 – 120 minutes*
Set to foot traffic:	after 24 – 48 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.
** according to EN 14565

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UZIN KE 49 HT

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 fully dry and cure.

Refer to the Product Data Sheets for other products used.

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 transfer onto the back of the covering within the working time.
2. Install the floor covering with short open time; the adhesive notch should be pressed out. Rub in or roll out or apply weight against extreme flooring deformation. 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*
Vinyl coverings, CV- or textile coverings with PVC or foam backing	A1 – A2	200 – 300 g/m²
Vinyl coverings with very smooth backing	A1 – A2	200 – 300 g/m²
Luxury Vinyl Tiles (LVT)	A1 – A2	200 – 300 g/m²

* At 20 °C and 65 % relative humidity, with tempered adhesive buckets on UZIN NC 170 LevelStar.

On dense substrates an A4 trowel notch can also be used.

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Important Notes:

- Shelf life minimum 12 months in original packaging when stored in relatively cool conditions. 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 low 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.
- UZIN KE 49 HT can not be used in areas exposed to high temperature when used as a pressure sensitive.
- 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.
- For cleaning and maintaining the products of UZIN Care can be used (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 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 PVC floor coverings"
  – TKB specification sheet "Adhesion of textile floor covering"

Protection of the workplace and the environment:

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. 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.

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.

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 Data Sheet invalidates all previous Product Information. The respective updated version of this datasheet can be found on our Homepage under www.uzin.com.