

PRODUCT DATA SHEET

Universal Pressure-Sensitive Adhesive

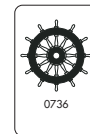
UZIN KE 2000 S

Description:

High quality dispersion adhesive for use as a wet-, semi-wet-, pressure-sensitive-, contact- or double-drop- adhesive for all resilient floor coverings in interior locations.

Suitable for / on:

- > homogeneous and heterogeneous sheet and tile PVC and cushioned vinyl coverings
- > sheet rubber up to 3.5 mm thickness
- > rubber tiles up to 2.5 mm thickness
- > sheet polyolefin (PO) coverings up to 2.0 mm thickness
- > sheet polyurethane (PU) coverings up to 2.0 mm thickness
- > PVC design flooring
- > vinyl-quartz tiles
- > textile coverings with latex-, PVC- or PU-foam backings
- > UZIN Multibase floor-change system and all UZIN insulating and installation underlays
- > absorbent, prepared substrates using the wet-/semi-wet-adhesive methods
- > dense, non-absorbent substrates such as, e.g. insulating underlays, coatings or UZIN KR 410, using the pressure-sensitive adhesive method in conjunction with PVC or cushioned vinyl coverings
- > dense, non-absorbent substrates using the double-drop adhesive method in conjunction with PVC or rubber coverings
- > bonding wall-coverings or skirtings as well as some mouldings using the contact adhesive method
- > heavy wear usage in domestic, commercial and industrial locations
- > warm water underfloor heating systems
- > exposure to castor-wheels in accordance with DIN EN 12 529
- > wet-shampoo and spray-extraction cleaning



Product Properties / Benefits:

For approx. 20 years, UZIN KE 2000 S has been one of the most widely used products in the field of floor covering adhesives. Due to its enormously wide range of uses, its extremely high tack, its excellent transfer to backings (even with difficult coverings) and its contingency value, this dispersion adhesive offers the user the greatest possible reliability even with difficult installation conditions.

Composition: Modified polyacrylate copolymers, resins and resin esters of vegetable origin, thickening-, wetting- and de-foaming-agents, preservatives (isothiazolinone), other additives and mineral fillers, water.

- > Very universal
- > Proven and reliable
- > For wet, pressure-sensitive or contact adhesive use
- > High coverage
- > Very long working time
- > Very high initial grab and final strength
- > Solvent-free

Technical Data:

Packaging:	plastic drum
Packsizes:	6 kg, 14 kg
Shelf life:	min. 12 months
Colour wet / dry:	cream-white / transparent
Consumption:	200 – 350 g/m ²
Working temperature:	min. 15 °C / 59 °F at floor level
Open time:	10 – 60 minutes*
Working time:	1 – 2 hours*
Load bearing:	after 24 hours*
Final strength:	after 3 days*
Joint welding:	after 24 hours*

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

Substrate Preparation:

The substrate must be sound, level, 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 levelling compound. According to substrate, covering and occupational use, select suitable primers and levelling compounds from the UZIN Product Guide.

Apply levelling compounds to a minimum thickness of 2 mm on non-absorbent or moisture-sensitive substrates, e.g. new mastic asphalt, 1 – 2 mm on new calcium sulphate screeds or 2 mm on existing substrate surfaces. Always allow primers and compounds to dry completely.

Clean used, smooth, non-absorbent surfaces intensively with UZIN RG 194 and water and then abrade when dry. Abrade PU or epoxy compounds until matt and vacuum off. Skim-coat cushioned vinyl coverings with UZIN NC 405. Refer to the Product Data Sheets for other products used.

Application:

1. Apply the adhesive evenly onto the surface with a suitable notched trowel (see "Consumption") and, according to the proposed adhesive method, application quantity, climatic conditions, substrate absorbency and covering type, leave an appropriate open time. Only apply as much adhesive as can be covered within the working time with good transfer to the backing of the covering. For standard installation onto prepared surfaces, use the wet / semi-wet adhesive method.
2. Lay in the covering, rub down / roll over the whole surface area and repeat after 20 – 30 minutes. Change trowel blades frequently.
3. Remove adhesive contamination whilst fresh using warm water with a little neutral detergent.

Consumption:

Backing	Notch	Consumption*
Smooth, e.g. cushioned vinyl, PVC design flooring on dense substrates	A 5 / roller	150 – 200 g/m ²
Smooth, e.g. cushioned vinyl	A 1	200 – 300 g/m ²
Lightly textured or sanded, e.g. PVC, rubber, PO, PU, quartz-vinyl, PVC-backed textiles, UZIN insulating underlays	A 2	300 – 350 g/m ²

Applications Chart:

Substrate	Notch	Open Time*	Working Time*
Prepared substrate	A 5 / roller	10 – 20 mins.	15 – 25 mins.
Prepared substrate	A 1	10 – 25 mins.	15 – 30 mins.
Prepared substrate	A 2	20 – 30 mins.	30 – 45 mins.
Non-absorbent surfaces, e.g. PVC onto PVC	A 5	30 – 60 mins.	1 – 2 hours

* At 20 °C / 68 °C and 65 % relative humidity and acclimatised adhesive containers.

Important Notes:

- > Shelf life min. 12 months in original containers when stored in relatively cool conditions. Protect from frost. Tightly re-seal opened containers and use the contents as quickly as possible. Allow the adhesive to come to room temperature before use.
- > Optimum conditions are 18 – 25 °C / 64 – 77 °F, floor temperature above 15 °C / 59 °F and relative humidity below 65 %. Low temperatures and high humidity will lengthen, whilst high temperatures and low humidity will shorten the working-, setting- and drying- times.
- > Before installation, coverings must be adequately relaxed, acclimatised and matched to the normal climatic conditions that will apply in subsequent use.
- > For wet / semi-wet use, lay in, roll and repeat according to the "Applications Chart". The adhesive ridges should be still white or only surface dry. Tack should not have developed or should be only slight.
- > For pressure-sensitive adhesive use, leave to air until the colour of the adhesive changes from cream-white to transparent. Then lay in, roll and repeat.
- > For contact adhesive use apply the adhesive to one face with a notched trowel and to the other face with a roller. Allow one face to dry until transparent and leave the other face semi-wet. Then lay in, press into place and rub well down.
- > For double-drop adhesive use, lay in the covering wet and rub down. Immediately pull back and leave to air until both the backing and the subfloor reach a noticeable tack (touch test) although the adhesive ridges must not be transparent. Then lay in, roll and repeat.
- > Vertical bonding can be achieved trouble-free with UZIN KE 2000 S. According to circumstances, use either the wet / semi-wet method (roller application, then combed through with a notched trowel) or the contact method.
- > Avoid pressure-marks in the adhesive during covering installation. This is especially important with plain coverings, rubber and smooth PVC or cushioned vinyl.
- > UZIN KE 2000 S is certificated by the "See-Berufsgenossenschaft" Hamburg to meet the requirements of Marine Equipment module B and module D. Certificates are available on request. Application quantity max. 300 g/m². USCG-No.164.106/EC0736/118.096.
- > The following standards, regulations and publications are applicable and especially recommended:
 - DIN 18 365 "Working with floor coverings"
 - Adhesives Industry Association publication "Assessment and preparation of substrates – bonding of resilient and textile floor coverings"
 - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
 - BEB publication "Assessment and preparation of substrates"
 - TKB publication "Bonding PVC floor coverings"
 - TKB publication "Bonding elastomer floor coverings"

Protection of the Workplace and the Environment:

Solvent-free. Non flammable. Requires no special protection or precautions in general use. Avoid prolonged contact with skin or contact with eyes.

Disposal:

Dispose of empty packaging according to local regulations or recycle. Collect waste material, allow to dry out and harden and then dispose as Construction Waste.