

Universal PVC Adhesive

UZIN KE 418

Solvent-free dispersion adhesive for PVC, CV and textile floor coverings

Description:

Dispersion adhesive with low filler content for thin application in interior areas.

Especially suitable for/on:

- ▶ homogeneous and heterogeneous PVC and Cushioned Vinyl floor coverings
- ▶ carpets with PVC-, foam- and latex-backings
- ▶ lightweight needlepunch floorings
- ▶ resilient and textile insulating underlays
- ▶ prepared, level and absorbent subfloors
- ▶ domestic and commercial locations

Suitable for use on warm water underfloor heating systems, resistant to castor wheels in accordance with DIN EN 12529 and suitable for cleaning with wet shampoo and spray extraction systems.

Product Properties/Benefits:

Ready-to-use, water-based dispersion adhesive for use as a wet-bond adhesive requiring only very short open or "airing" time and can also be used with double-drop method for maximum immediate grab.



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

- ▶ Easy to spread
- ▶ High coverage
- ▶ Excellent grab
- ▶ Short open time
- ▶ Long working time
- ▶ High final strength
- ▶ Good resistance to plasticisers
- ▶ Solvent-free

Technical Data:

Packaging:	plastic drum
Packsize:	6 kg, 20 kg
Shelf life:	min. 12 months
Colour:	cream-white
Working temperature:	min. 15 °C / 59 °F at floor level
Consumption:	300 – 400 g/m ²
Open time:	10 – 15 minutes*
Working time:	approx. 35 minutes*
Set to traffic:	after 24 – 48 hours*
Final Strength:	after 3 – 4 days*

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

Substrate Preparation:

The substrate must be level, sound, free from cracks, dry, clean and free from materials which would impair adhesion. Test the substrate according to applicable standards and report any deficiencies.

Thoroughly vacuum the substrate, then prime and apply smoothing compound. Select the appropriate primer and smoothing compound from the UZIN Product Guide according to surface type and occupational use.

Always allow primers and smoothing compounds to dry thoroughly. Refer to the Product Data Sheet for the products used.

Application:

1. Apply the adhesive evenly onto the substrate using a suitable notched trowel (see "Consumption") and allow open time as appropriate for the quantity applied, climatic conditions, substrate absorbency and type of covering.
2. Lay in the covering, rub down over the whole surface and, after approx. 20 minutes, rub down with pressure or roll. Ensure good transfer to the backing of the covering.
3. Clean off adhesive contamination whilst still wet using water.

Consumption:

Backing	Trowel Notch	Consumption
smooth	A 1	300 – 350 g/m ²
lightly textured	A 2	350 – 400 g/m ²

Important Notes:

- ▶ Minimum shelf life 12 months in original packaging and in relatively cool storage conditions. Protect from frost. Tightly seal opened containers and use the contents as quickly as possible.
- ▶ Optimum working conditions 18 – 25 °C/64 – 77 °F, floor temperature above 15 °C/59 °F, Relative Humidity below 75 %. Low temperatures and high humidity lengthen, and high temperatures and low humidity shorten the working-, setting- and drying-times.
- ▶ Dry subfloors with good absorbency improve the initial grab and drying performance.
- ▶ Leave until the adhesive is fully set (min. 24 hours but ideally 48 – 72 hours) before hot-welding seams.
- ▶ 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 notices and standards are applicable and especially recommended:
 - BS8203, BS8204, BS5325
 - DIN 18 365 "Floor Covering Work"
 - Leaflet of the Adhesives Industry Association "Assessment and Preparation of Subfloors – adhering resilient and textile floor coverings"
 - "Adhering Elastomer Coverings"
 - Technical Information 2/1990 of the Federal Screeds and Coverings Association (BEB) "Assessment and Preparation of the Surface of Anhydrite Flow-screeds".

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.