

PRODUCT DATA SHEET

Solvent-free Pressure Contact Adhesive

UZIN DK 700

the latest generation of adhesive



Solvent-free contact adhesive for suitable floor coverings on stairs and for PVC profiles

Description:

Very low emission, solvent-free, water-based contact adhesive for brush or roller application. For a wide range of uses that could previously only be accomplished with high solvent-content Neoprene contact adhesives, in interior locations.

Suitable for/on:

- ▶ adhesion on stairs, including vertical bonding, of suitable textile floor coverings including softer needlepunch and low-lop carpet coverings
- ▶ adhesion of PVC stair coverings
- ▶ adhesion of rubber flooring, e.g. Norament® stairtreads
- ▶ adhesion of underlays suitable for stairs, e.g. UZIN RR 188 and UZIN RR 189 Plus B 1
- ▶ fixing PVC stair edge trims and PVC threshold strips
- ▶ adhesion of PVC covered skirtings
- ▶ wooden, concrete and rust-protected metal surfaces
- ▶ prepared and primed substrates
- ▶ directly on waterproof, sanded residues of Neoprene, dispersion and synthetic resin adhesives
- ▶ heavy wear use 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 systems



Product Properties / Benefits:

Thanks to its unique raw materials formulation, this product combines the advantages of simple, efficient and reliable adhesion with the highest demands on workplace protection and environmental compatibility.

The application method for UZIN DK 700 differs very significantly from that for solvent-based contact adhesives – therefore, special attention must be paid to the separate Application Instructions.

Composition: Modified polymer dispersions, thickening and de-foaming agents.

- ▶ POWERED BY UNICONTACT
- ▶ Suitable application roller included
- ▶ Short open time
- ▶ Heat resistant to 85 °C / 185 °F
- ▶ Also for use on dense surfaces
- ▶ Solvent-free
- ▶ EMICODE EC 1 / Very low emission

Technical Data:

Packaging:	plastic drum
Packsize:	4.5 kg
Shelf life:	minimum 6 months
Colour:	cream
Consumption:	approx. 300 – 700 g/m ² to both faces*
Working temperature:	10 – 25 °C / 50 – 77 °F at floor level
Open time:	damp face: 10 – 30 minutes* dry face: 30 – 60 minutes*
Contact bond time:	1 face max. 4 hours* with semi-wet opposite face
Foot traffic / load-bearing:	immediate
Final strength:	after 3 days*

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



UZIN | A Brand of UFLOOR Systems

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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. Brush or abrade any weakly bonded or soft areas. Thoroughly vacuum off all loose material and dust.

Prime according to type and condition of the substrate, e.g. dusting or absorbent surfaces. Prepare as necessary with a repair- or levelling-compound. In all cases, prime prepared surfaces with Universal Primer UZIN PE 360 (drying time approx. 1 hour). Allow primer and levelling compound to dry completely.

Refer to the Product Data Sheets for the other products used.

Application:

1. Apply the adhesive to the materials and substrate to be bonded using the included UZIN Nylon Fibre Roller and, in corners and on edges, with a brush (tried and tested are paint-stripper brushes available from decorator trade suppliers).
2. The open time can be significantly shortened by heating with a suitable hot-air gun.
3. Lay in the covering/profile and press well down by hand (pressure time approx. 2 seconds). By fresh application onto one face, re-adhesion of the other face is possible within the contact bond time.

Consumption:

Backing Type	Applicator	Consumption*
Smooth, lightly textured, e.g. PVC stair covering	Nylon Roller / Brush	150 – 200 g / m ²
Heavily textured, e.g. coarse needlepunch, secondary- or fleece-backed carpet	Nylon Roller / Brush	250 – 450 g / m ²
Highly absorbent backings	Nylon Roller / Brush	300 – 450 g / m ²
Substrate		
According to surface condition and absorbency	Nylon Roller / Brush	150 – 250 g / m ²

* At 20 °C / 68 °F und 65 % relative humidity on prepared surfaces and with acclimatized adhesive containers.

Important Notes:

- ▶ Shelf life minimum 6 months in original containers when stored in relatively cool conditions. Protect from frost. Carefully and tightly re-seal opened packaging and use the contents as quickly as possible. Before use, allow the adhesive to come to room temperature.
- ▶ Optimum installation conditions are 18 – 25 °C / 64 – 77 °F, floor temperature above 10 °C / 50 °F and relative humidity below 65 %. Low temperatures and high humidity will lengthen, whilst high temperatures and low humidity will shorten the working-, contact bond- and drying- times.
- ▶ During work breaks, soak applicator tools in the adhesive container to prevent drying out. At the end of work periods, wash out tools and working equipment immediately with water as the adhesive cures quickly on brushes and rollers.
- ▶ For pressure contact bonding, one face must be transparent and the other must still be damp. For bonding of PVC onto non-absorbent surfaces, both adhesive faces can be transparent.
- ▶ This is a new generation of adhesive and is a pressure contact adhesive – pressing the covering with the ball of the hand or with a smoothing board for approx. 2 seconds is essential. Do not use impact with a hammer!
- ▶ During application, drying of the adhesive and smoothing of the covering can be achieved using a hot-air gun. Drying times can be significantly reduced. To avoid stresses in stubborn coverings or on edges with small radius, warming makes adhesion significantly easier and more reliable. However, later reactivation by application of heat is not possible.
- ▶ For bonding on walls obtain technical advice.
- ▶ UZIN DK 700 is certificated by the "See-Berufsgenossenschaft" Hamburg to meet the requirements of Marine Equipment module B and module D. Certificates are available on request. The admitted application quantity is approx. 150 g/m². USCG-No. 164.112/EC0736/118.127.
- ▶ The following standards, regulations and notices are applicable and especially recommended:
 - DIN 18 365 "Working with floor coverings"
 - Publication by the Adhesives Industry Association "Assessment and preparation of surfaces – bonding of resilient and textile floor coverings"
 - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation work"
 - BEB publication "Assessment and preparation of substrates"

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.

EMICODE EC 1 – very low emission. Within the scope of current knowledge, gives off no emissions of 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.

Disposal:

Where possible, collect all 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.