

PRODUCT DATA SHEET

the
all-rounder



Multi-Covering Adhesive

UZIN Blue Wonder

Universal adhesive for all resilient and textile floor coverings

Description:

Very low emission, dispersion adhesive with a wide range of uses for the adhesion of interior, resilient and textile floor coverings.

Suitable for/on:

- ▶ textile coverings with all popular backing constructions, e.g. synthetic secondary backings, latex-foam, secondary backings made from polyester, polypropylene or mixed fibres, with polypropylene fleece and latex-coated
- ▶ lightweight needlepunch coverings
- ▶ homogeneous and heterogeneous PVC and cushioned vinyl sheet and tile flooring
- ▶ fleece-backed PVC and cushioned vinyl coverings
- ▶ PVC design flooring
- ▶ sheet linoleum up to 3.2 mm thickness
- ▶ sheet rubber flooring up to 2 mm thickness
- ▶ level, absorbent, prepared surfaces
- ▶ normal wear use in domestic, commercial and project locations
- ▶ warm water underfloor heating systems
- ▶ exposure to castor wheels in accordance with DIN EN 12 529
- ▶ wet-shampoo and spray-extraction cleaning systems

Thanks to its short open time and wide range of uses, the floor-layer is assured of a fast and reliable installation. According to the absorbency of the surface, Multi-Covering Adhesive UZIN Blue Wonder can be used as a wet or semi-wet adhesive.

Product Properties / Benefits:

UZIN Blue Wonder can be used for many different covering types. Storage and transport costs can be minimised due to lower stock-holding and the risk of selecting the wrong adhesive is practically eliminated. Tailored packsizes cover installations from small areas through to large projects.



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

- ▶ Universal applications
- ▶ Very efficient
- ▶ Easy to spread
- ▶ Short open time
- ▶ High early and final strength
- ▶ Solvent-free
- ▶ EMICODE EC 1 / Very low emission

Technical Data:

Packaging:	plastic drum
Packsize:	2 kg, 6 kg, 14 kg
Shelf life:	min. 12 months
Colour:	light blue
Consumption:	200 – 550 g / m ²
Working temperature:	min. 15 °C / 59 °F at floor level
Open time:	10 – 40 minutes*
Working time:	20 – 50 minutes*
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, prime and apply smoothing compound. According to substrate, covering and occupational use, select suitable primers and smoothing compounds from the UZIN Product Guide.

On non-absorbent or moisture-sensitive substrates apply smoothing compound, e.g. new mastic asphalt 2 mm, new calcium sulphate screeds 1 – 2 mm or existing floor finishes, to a minimum thickness of 2 mm. Always allow primers and smoothing compounds to dry thoroughly.

Refer to the Product Data Sheets for other products used.

Application:

- Using a suitable notched trowel (see "Consumption"), apply the adhesive evenly onto the surface and, according to the quantity applied, climatic conditions, surface absorbency and covering type, allow an open time. Only apply as much adhesive as can be covered within the working time whilst ensuring good transfer to the backing of the covering.
- Lay in the covering, rub down or roll over the whole area and repeat after 20 – 30 minutes. Change notched blades frequently.
- Remove adhesive contamination whilst still fresh using warm water with a little washing-up liquid or a proprietary carpet spot-cleaner.

Consumption:

Backing	Trowel Notch	Consumption*
Smooth, e.g. cushioned vinyl	A5/A1	200 – 250 g/m ²
Lightly textured or sanded, e.g. carpet with foam backing, PVC and PVC-design flooring, rubber	A2	approx. 300 g/m ²
Heavily textured, e.g. secondary backed carpets, linoleum	B1	350 – 400 g/m ²
Coarse textured, e.g. lightweight needlepunch, coarse backing constructions	B2	500 – 550 g/m ²

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

Important Notes:

- ▶ Shelf life min. 12 months in original packaging when stored in relatively cool conditions. Protect from frost. Tightly reseal opened containers and use the contents as quickly as possible. Before use, allow the adhesive to come to room temperature.
- ▶ Optimum working 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 lengthen, whilst high temperatures and low humidity shorten the working-, setting- and drying- times.
- ▶ Damp substrates can lead to secondary emissions and odours. Therefore, only apply on well dried substrates and, on prepared surfaces, ensure best possible drying of the smoothing compound.
- ▶ Before adhering, coverings must be adequately relaxed, acclimatised and matched to the normal climatic conditions expected during later use.
- ▶ When installing linoleum, it must be ensured that a gap of approx. 1 mm is left between the individual widths.
- ▶ When installing special coverings, extremely stiff coverings, cork, polyolefin coverings, thick rubber flooring, natural fibre carpet, conductive coverings, etc., use other adhesives.
- ▶ The following standards and notices are applicable and especially recommended:
 - DIN 18 365 "Working with floor coverings"
 - Publication by the Adhesives Industry Association "Assessment and preparation of substrates – adhesion 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 "Adhesion of PVC floor coverings"
 - TKB publication "Adhesion of elastomer floor coverings"
 - TKB publication "Adhesion of linoleum floor coverings"

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.