

PRODUCT DATA SHEET



Premium textile-covering adhesive

UZIN UZ 88 NEW



Highly shear-resistant dispersion adhesive to create a healthy atmosphere

Fields of application:

Resin-free dispersion adhesive with very low emissions for the secure bonding of textile coverings of all types. UZIN UZ 88 NEW makes a considerable contribution to the creation of a healthy atmospheric environment climate and meets the highest requirements as regards room air quality in interior spaces. Avoids seam shrinkage and crack formation assuredly and permanently, even in case of sensitive coverings.

Suitable for:

- ▶ all tufted fibrous mat coverings, however particularly for tufted fibrous mat coverings with a reduced dimensional stability in case of highly-changeable climatic conditions
- ▶ woven textile coverings of all type
- ▶ natural fibre coverings of sisal, coconut palm and jute, each with coated backs covered with latex
- ▶ hospital textile coverings
- ▶ linoleum in sheets up to 4 mm
- ▶ heavy wear in the residential, trade and industry sector, e.g. in hospitals, highly-frequented shopping centers, industrial halls etc.
- ▶ wear from chair castors according to DIN EN 12 529
- ▶ wet shampooing and spray extraction cleaning according to RAL 991 A 2



UZIN ÖKOLINE



Ingredients: Modified polyacrylate copolymers, thickener agent, wetting agent, anti-foaming agent and preservative agent, mineral filling materials and water.

- ▶ Odour-neutral during and after bonding
- ▶ Very high shear strength
- ▶ Hard adhesive ridge
- ▶ Minimizes joint shrinkage
- ▶ 10 % less consumption in comparison with resin-content adhesives
- ▶ solvent-free
- ▶ EMICODE EC 1/with very low emissions
- ▶ RAL UZ 113/environmentally friendly, due to very low emissions

Technical data:

Container type:	Plastic bucket
Supply size:	14 kg
Shelf life:	At least 12 months
Color:	beige
Consumption:	Approx. 200 – 530 g/m ²
Processing temperature:	At least 15 °C/59 °F on the floor
Drying time:	0 – 15 minutes*
Laying time:	Max. 20 minutes*
Load-bearing:	After 24 hours*
Final strength:	After 3 days*
Welding joints:	After 24 hours*

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



Offers highest possible protection against emissions and contributes in creating a healthy living environment.

Was awarded the "Blue Angel" for low-emission floor covering adhesives and other adhesives in compliance with RAL-UZ 113.

UZIN | A Brand of UFLOOR Systems

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Extended fields of application

Suitable for:

- ▶ all tufted fibrous mat coverings, in particular for stubborn tufted fibrous mat coverings, for coverings with high polyamide (PA) content, for tufted fibrous mat coverings with needed colour pixels, for printed tufted fibrous mat coverings, as well as for tufted fibrous mat coverings which have an increased tendency to shrink
- ▶ woven textile coverings of all types, also in case of pattern and row distortion
- ▶ textile floorings in the health care segment (hospitals, old people's homes and care institutions), e.g. Anker Clinic, etc., but also in other high-traffic areas, such as shops / shopping centers, industrial halls etc
- ▶ the textile covering bond on UZIN insulating and underlay mats
- ▶ the textile covering bond on the sanded, 2-component, PUR leveling compound UZIN KR 410

Suitable for:

- ▶ flat, absorbent and smoothed substrates
- ▶ hot-water underfloor heating

Also suitable for the following, elastic covering types:

- ▶ linoleum covers in strips up to 4 mm thickness
- ▶ PVC and cushioned vinyl coverings in sheets and tiles
- ▶ PVC design coverings
- ▶ caoutchouc coverings in strips up to 2 mm thickness
- ▶ caoutchouc coverings in tiles up to 4 mm thickness

Product advantages / properties:

The high shear-resistant, premium textile-covering adhesive contributes significantly to the secure minimization of crack formation in case of sensitive coverings, which otherwise are subject to severe alterations of dimensions, e.g. through changing climatic conditions. The high level of stability and extreme shear strength of the adhesive groove very effectively counters shrinkage in critical coverings. In this way, alterations of dimensions, joint shrinkage and seam pinholes can be almost excluded in case of bonded floor coverings.

The resin-free dispersion adhesive is completely free from disturbing new odors, even during the bonding phase. With its especially favorable emission characteristics, this product finds equal favor with craftsmen, principals and users of buildings. UZIN UZ 88 NEW, which is characterized by technical functionality, simultaneously satisfies the highest requirements as regards occupational health and safety, room air quality and environmental compatibility.

The best overall result is achieved particularly with floor coverings which indicate exceptional emission characteristics. An additional decisive factor is the correct substrate preparation, particularly in case of restoration work. In such cases old, adhesive films, not capable of classification, should, as far as possible, be re-worked with a blocking primer and smoothed off with a self-leveling compound.

Application example:



Here the laying of a high-quality weave product with UZIN UZ 88 NEW using a double-head tightener is indicated. The ideal "Stress time point" is approx. 45 min. after the adhesive coating application.



UZIN UZ 88 NEW is highly load-bearing and extremely resistant to room-climate changes.



Substrate preparation:

The substrate must be fixed, level, dry, crack-free, clean and free from materials which impair adhesion. Test the substrate in accordance with applicable standards and specification sheets, and report any deficiencies. Vacuum the surface thoroughly, prime and smooth. According to substrate, over-coating and stressing, use suitable priming and leveling compounds from the UZIN product overview.

Smooth off non-absorbent or moisture-sensitive substrates, such as e.g. newly-poured 2 mm asphalt screeding, new calcium-sulfate 1 – 2 mm screeds and old substrate bases at least 2 mm thick. Always allow the priming and leveling compounds to dry out well. Note product datasheets of the products used, as well as floor coverings.

Processing:

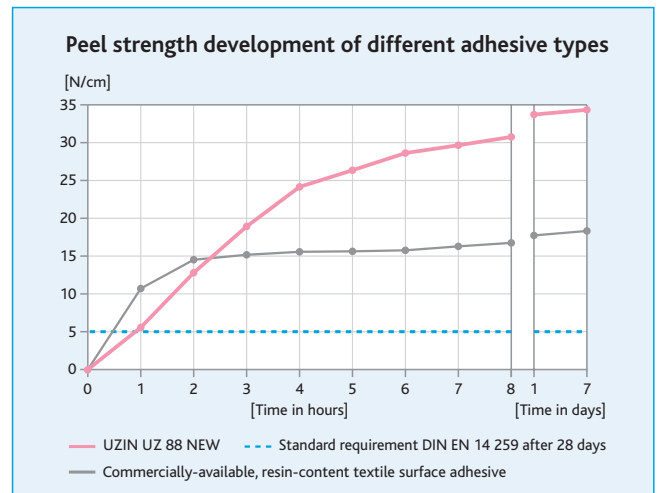
1. Apply adhesive uniformly on the substrate with suitable grooved trowel (see "Consumption data") and allow the substrate to de-aerate briefly, according to application quantity, room climate, substrate absorption capacity and covering type. Apply only as much adhesive as can be laid within the available time with good wetting of the covering rear side. Lay textile covering "wet", the adhesive groove must be pressed.
2. Lay covering and rub/roll 1x over the full surface. Take care to deal with extreme covering deformations. Then allow the surface to rest for 30 minutes and then roll over again and rub at the edges and joint areas. Change toothed laths frequently.
3. Remove adhesive residues in fresh condition with pressure-free, warm water, with one covering piece and the RZ stain hammer.

Consumption data:

Covering type / Backing type	Toothing according to TKB	Consumption*
Carpet with synthetic, secondary backing, Kugelgarn®, fine-fibre tufted fibrous mat, woven product with fine back structure, linoleum	B 1	350 – 400 g/m ²
Coarse-fibre tufted fibrous mat, weaving product with rough back structure	B 2	450 – 530 g/m ²
Caoutchouc, PVC, or PVC design flooring	A 2	250 – 320 g/m ²
Cushioned vinyl coverings	A 1	200 – 250 g/m ²

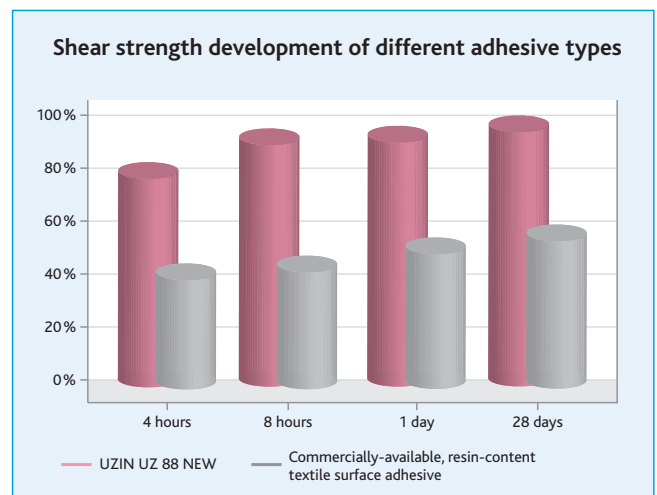
* At 20 °C / 68 °F and 65 % air relative humidity, on substrates smoothed with UZIN NC 170 LevelStar and tempered adhesive containers.

Practical note:



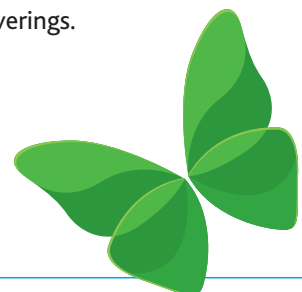
Measuring method according to DIN EN 1372. Substrate: Fiber-reinforced cement plate. Toothing: TKB B 2. Drying time: 10 min. Covering: Two-layer, tufted fibrous mat covering. Climate: 23 °C and 50 % relative humidity.

The premium textile-covering adhesive develops a good initial force even during the setting phase, even though UZIN UZ 88 NEW does not have any thread pattern. The standard requirements of DIN EN 14 259 concerning peel strength after 28 days (> 5 N/cm) are satisfied as early as after approx. 1 hour.



Measuring method according to DIN EN 1373. Substrate: Fiber-reinforced cement plate. Toothing: TKB B 2. Drying time: 10 min. Covering: Two-layer, tufted fibrous mat covering. Climate: 23 °C and 50 % relative humidity.

UZIN UZ 88 NEW reaches shear strength values which are nearly twice as high as normal textile surface adhesives which are found on the market. It is clear that the premium textile-covering adhesive offers maximum protection against alteration of dimensions in case of "non-dimensionally stable", textile floor coverings.



Important notes:

- ▶ Original container can be stored for 12 months at least with moderate, cool storage. Protect against frost. Close off containers broken into with sealing, and use content quickly. Allow adhesive to come to room temperature before processing.
- ▶ Can be processed best at 18 – 25°C/64 – 77°F, ground temperature above 15 °C/59 °F and rel. humidity below 65 %. Low temperatures and high humidity levels extend the laying, setting and drying times, while high temperatures and low humidity levels shorten them.
- ▶ Moist substrates can result in secondary emissions and odors. Therefore process only on well dried-out substrates and pay attention to maximum and thorough drying of the leveling compound, also in case of smoothed substrates.
- ▶ A direct bonding on old adhesive residues can lead to interactions, and with that to unpleasant odour development. Therefore it is ideally recommended to remove old layers. In every case, however, old adhesive residues should be re-worked with a blocking primer and smoothed over the entire surface with a self-leveling compound of sufficient thickness (generally 2 mm).
- ▶ The coverings must be sufficiently de-stressed, acclimatized and adapted to the room climate which will prevail in later use.
- ▶ Ensure that severe roll-end deformation, buckling or squeeze wrinkles, edges sticking up to an extreme degree or covering curvature, are dealt with during the bonding.
- ▶ Among other things, the following standards and specification sheets are applicable and/or recommended for special observation:
 - DIN 18 365 "Working with floor coverings"
 - Specification sheet of the Industrial Association of Adhesives "Assessing and preparation of substrates – adhesion of elastic and textile floor coverings"
 - TKB Specification sheet "Assessment and preparation of substrates for floor covering and parquet work"
 - BEB Specification sheet "Assessing and preparation of substrates"

Protection of the Workplace and the Environment:

Solvent-free. Requires no special protection or precautions in general use. Use of barrier cream and ventilation of the work area are recommended. Keep out of the reach of children. Do not eat, drink or smoke during the installation. After contact with eyes or skin, wash immediately with plenty of water. Do not allow dispersal into drains, sewers or ground. Rinse tools with water and soap immediately after use.

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. **Product contains isothiazolinones. Hotline for allergy information +49 (0)731 4097-0.**

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 or Household Waste.

