

PRODUCT DATA SHEET

Solvent-free contact adhesive

UZIN WK 222

Water based neoprene adhesives for all types of constructional contact bonding

Applications:

Powerful contact adhesive with short open time and immediate load-bearing. For profiles, rods, skirting as well as all common types of floor covering on absorbent and non-absorbent substrates. UZIN WK 222 allows processing without solvent involvement. Handling, technical options and applications largely correspond to a solvent-based neoprene adhesive. For interior areas only.

Suitable for:

- ▶ PVC soft skirting, stair profiles, coved skirting from PVC, linoleum, India rubber, for contact bonding
- ▶ All textile floor coverings, even cumbersome needle felt coverings or woven carpets, for contact bonding on stairs in block format or with protruding edge as well as for the bonding/covering of cheeks and faces
- ▶ PVC/CV floor covering, linoleum, rubber, insulating underlays, amongst others, for contact bonding on staircases and risers
- ▶ Impact absorbing wall coverings and suitable textile or composite floor covering for contact bonding on all substrates common to building construction on walls and ceilings
- ▶ Repair bonding work, e.g. seam restorations, inspection cover bonding, and others
- ▶ Heavy duty for residential, commercial, industrial and sports facility applications
- ▶ Hot water underfloor heating
- ▶ Heavy duty for chair castors according to DIN EN 12 529
- ▶ Wet shampooing and spray extraction cleaning according to RAL 991 A2

Suitable on:

All plane, smooth, levelled or unlevelled substrates, e.g. on old floor coverings, finishes, metal substrates, screeds, concrete, levelling compounds, strongly bonded wall paint and wallpapers, plaster, wood, chip board, OSB boards, insulating underlays and the like as well as on water-resistant, polished neoprene dispersions or resin adhesive residues.



Product benefits / features:

Solvent-free processing with UZIN WK 222 not only meets the high requirements on occupational safety and environmental protection according to the hazardous substances ordinance for public invitations to tender in a legally conform manner. The very low-emission contact adhesive also takes the demands of private consumers on consumer protection in regard to a healthy indoor climate optimally into account. Installers and users are thus given the opportunity for the first time to carry out economic contact bonding, even with cumbersome floor coverings, solvent-free and without restrictions based on occupational safety measures.

Composition: Modified polychloroprene polymers, thickeners, defoaming and conservation agents, water.

- ▶ Superb rolling and brushing properties
- ▶ Minimum application amounts with supplied application roller
- ▶ Can be applied also one day in advance
- ▶ Long contact bonding time
- ▶ High resistance to plasticisers
- ▶ Solvent-free
- ▶ EMICODE EC 1/very low emission

Technical Data:

Packaging:	plastic bucket
Pack sizes:	12 kg, 6 kg, 1 kg
Shelf life:	min. 9 months
Thermal stability:	up to 70 °C / 158 °F, according to floor covering / substrate
Colour:	beige
Consumption, both sides:	300 – 450 g/m ² total quantity*
Applicators:	UZIN foam roller (coarse) or brush
Processing temperature:	min. 10 °C
Open time:	20 – 40 minutes*
Contact bonding time generally:	min. 2 hours*, reduced to 90 min.* if adhesive was applied to one side on previous day
Ready for foot traffic / load-bearing:	immediately*
Sealing / filling joints:	after 12 hours*
Final strength:	after 2 days*

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

UZIN WK 222



Substrate preparation:

The substrate must be sound, level, dry, free of cracks, clean and free of materials that could impair adhesion. Test the substrate in accordance with applicable standards and bulletins and report any deficiencies.

Brush or grind off adhesion-reducing or weak layers. Thoroughly vacuum off loose material and dust. Apply primer, e.g. UZIN PE 360, UZIN PE 260, depending on the type and condition of the substrate, e.g. to dusty, coarse or strongly absorbent substrates. If necessary, prepare with repair or levelling compound, e.g. with UZIN NC 182, UZIN NC 888 or UZIN NC 170 LevelStar. Contact surfaces must be smooth and plane, as far as possible. Smooth, dense contact surfaces, e.g. plastic, metal, old flooring, coatings, and similar must be thoroughly ground out and cleaned and possibly degreased. Always allow primer and levelling compound to dry well all the way through. Refer to the product data sheets of companion products used.

Application:

1. Apply adhesive with yellow UZIN foam roller, coarse, and on the corners and edges use a brush to apply adhesive uniformly thin onto the material to be bonded and the substrate. When applying the adhesive with the supplied 25 cm roller pre-spreading on a piece of chip board or the like is recommended in order to uniformly wet the roller.
2. Aerate both adhesive layers at least until they are almost non-tacky when touched. The covering / profile side may alternatively be coated the day before. The second adhesive side is then aerated only until the surface is "slightly finger-dry".
3. Put down the covering / profile immediately or within the contact adhesion time, ensure correct fit and apply full area pressure, rub on or /and tap on. Subsequent correction is not possible. After 10 – 20 min. rub on again with force, especially seams and edges.
4. Unfavourable climatic conditions increase the open time significantly more than with solvent-based adhesives. To be able to still continue working at a good speed more air circulation often helps and can be easily achieved, e.g. by opening a door, using a small electric heater blower or even a hot welding gun.
5. Remove adhesive residues while fresh with lukewarm water. The dried on adhesive film can also be rubbed off from many surfaces. As an alternative, use the cleaning cloths of the UZIN Clean-Box.

Consumption information:

Substrate backing	Application Tool	Consumption per contact area*
Smooth, lightly relieved, e.g. PVC coverings, rubber flooring, CV coverings, and others	UZIN foam roller (coarse) or brush	150 – 200 g/m ²
Relieved, e.g. coarse needle felt, linoleum, textile coverings, felt backing coverings, impact-absorbing wallor coverings, and others.	UZIN foam roller (coarse) brush	250 – 350 g/m ²
Substrate		
Depending on the the surface characteristics and absorbency	UZIN foam roller (coarse) or brush	150 – 200 g/m ²

*At 20 °C / 68 °F and 65 % relative humidity with room-temperature adhesive containers.

Important notes:

- ▶ Shelf life at least 9 months in original packaging when stored in moderately cool conditions. Protect from frost. Tightly re-seal opened containers and use the contents as quickly as possible. Allow adhesive to reach room temperature before processing.
- ▶ Optimum processing at 20 – 25 °C / 68 – 77 °F room temperature, min. 15 °C floor temperature and relative humidity below 65 %.
- ▶ Low temperatures and high humidity will delay whilst high temperatures and low humidity will accelerate the partial drying, setting and contact bonding times.
- ▶ Moist substrates may cause secondary emissions and odours. Therefore, install only on well dried substrates and make sure the levelling compound has dried through if substrates have been levelled.
- ▶ During work breaks store application tools submerged in adhesive container or pack roller in foil to prevent drying. Wash tools and work equipment with cold water.
- ▶ Drying can be accelerated during processing with the help of a hot welding gun and the pliability of the covering can be improved, e.g. to reduce tension with cumbersome coverings / profiles (e.g. shaped staircases, Quickstep® edge, etc.) or edge strips with a small radius.
- ▶ Follow the generally acknowledged rules of the trade and of technology for the installation of floor covering as well as the respective applicable standards (e.g. EN, DIN, VOB, OE, SIA, etc.). The following standards and bulletins represent supporting information and are recommended for special attention.
 - DIN 18 365 "Working with 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 of luxury vinyl tiles"
 - TKB publication "Bonding of elastomer floor coverings"
 - TKB publication "Bonding 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 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.