

2-Component PUR Artificial Grass Adhesive

UZIN KR 435

2-Component PU adhesive for the seam and edge bonding of artificial grass carpet on seam tapes in outdoor areas

MAIN APPLICATION FIELD:

- ▶ Artificial grass
- ▶ Outdoor
- ▶ Sports floor coverings

SUITABLE ON / FOR:

- ▶ levelled, absorbent and non absorbent substrates
- ▶ deformable or resilient substrates (e.g. underlay, wood, metal)
- ▶ very high loads in sport areas



PRODUCT BENEFITS/FEATURES:

UZIN KR 435 is a 2-comp. polyurethane adhesive for artificial grass and seam tapes for exterior use. The adhesive is especially suitable for artificial grass in sport areas to heavy use.

- ▶ Elastic hardening
- ▶ Stable adhesive bead
- ▶ Very high mechanical resistance
- ▶ For exterior use



TECHNICAL DATA:

Packaging	Metallic combi can
Pack size	13,2 kg
Shelf life	min. 12 months*
Mixing ratio	A : B = 10 : 1
Color	green
Consumption	1.000-1.300 g/m²
Working time	approx. 35 minutes*
Open time	approx. 60 - 70 minutes*
Ready for foot traffic	after approx. 24 hours*
Minimum application temperature	10 °C at ground level
Final strength	after 7 days*

*At 20 °C and 65% relative humidity



SUBSTRATE PREPARATION:

- ▶ UZIN KR 435 artificial grass adhesive may only be used outdoors on substrates with drainage where proper drainage of rainwater is guaranteed.
- ▶ Beading is required to allow excess rainwater to drain between the beads.
- ▶ A shallow adhesive bead should therefore be avoided. It may impair drainage and the bond strength may be impaired by the formation of local water areas.
- ▶ UZIN KR 435 must not be used directly on damp substrates.

APPLICATION:

- ▶ Install the artificial grass according to the installation instructions of the respective artificial grass manufacturer. Allow the adhesive to come to room temperature before use. Allow the hardener to drain completely into the container (resin A) and mix the components thoroughly with a suitable stirring device (spiral, basket stirrer or similar). Ensure best mixing, especially in the bottom and wall areas of the container.
- ▶ For seam bonding of artificial grass coverings, pour the adhesive along the centre of the seam tape. Apply the adhesive evenly and at least 20 cm wide to the seam tape using a notched trowel C1. Avoid adhesive pockets. If large areas are to be bonded, mechanical applicators, e.g. pressure vessels or compressors, can also be used. Lay the covering, roll on well and re-roll after approx. 45 minutes. If necessary, weigh down with sand, especially in case of longer work interruptions.
- ▶ Immediately remove adhesive contamination and tools with UZIN Clean Box cleaning cloths. Cured adhesive can only be removed mechanically.

IMPORTANT NOTES:

- ▶ A shelf life of 12 months when stored in moderately cool conditions, in the original packaging. Storage temperature 10 - 20 °C.
- ▶ Best applied between 15 - 25 °C, with the floor temperature above 10 °C and relative air humidity below 75%.
- ▶ Low temperatures and low air humidity lengthen the working and drying time. Whilst high temperatures and high air humidity shorten the working and drying time.
- ▶ Do not mix part quantities!
- ▶ The curing time of UZIN KR 435 can be accelerated in combination with UZIN PUR Accelerator, e.g. in bad climate conditions or when the covering should be loaded quickly. Observe the product data sheets.
- ▶ Please check the adhesive recommendations (online) or obtain application advice when installing chlorine-free floor coverings.
- ▶ Follow the generally acknowledged rules of the trade and technology for the installation of floor covering in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission

COMPOSITION:

Polyurethane composed of polyols and polyisocyanate.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free. Non flammable. Comp. A: Requires no special protection or precautions in general use. Comp. B: Contains diphenylmethane-diisocyanate (MDI). Harmful on inhalation. Irritating to eyes, respiratory system and skin. There is limited evidence of a carcinogenic effect for respirable vapours of MDI. Harmful: May cause damage to organs through prolonged or repeated exposure. May cause sensitisation by inhalation and skin contact. Provide good ventilation. Use barrier cream, protective gloves and safety-goggles. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Observe safety information on product label as well as safety data sheet. Once cured, has a neutral odour and presents no physiological or ecological risk.

DISPOSAL:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free 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. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.