

# PRODUCT DATA SHEET

2-Component Artificial Grass Adhesive



# UZIN KR 436

Artificial grass adhesive for applications outdoor at low temperatures and high humidity

## Description:

2-component PU adhesive especially formulated for the secure bonding of joints and edges of artificial grass onto non-woven seaming tape in indoor and outdoor locations, also for applications outdoor at low temperatures and high humidity.

## Product benefits / properties:

Flexible, 2-component, reaction resin adhesive based on polyurethane produced by mixing Resin A and Hardener B. Solvent- and water-free.

**Binders:** Polyurethane containing polyols and polyisocyanats.

- ▶ Easy to spread
- ▶ Good ridge formation
- ▶ Flexible and resilient
- ▶ Very high final strength
- ▶ Resistant to heat, cold and extreme weather conditions
- ▶ Solvent-free



## Technical Data:

Packaging:	metal combi-can 6 kg metal combi-can 13,2kg
Packsizes (A + B):	66 and 13,2 kg
Shelf-life:	mind. 12 months
Colour:	green
Mixing Ratio:	A : B = 7,2 : 1 parts by weight
Consumption:	1000 – 1300 g /m <sup>2</sup>
Specific gravity:	approx 1,6 kg/l
Working temperature:	min. 5 °C / 59 °F at floor level
Pot life:	30 minutes*
Working time:	up to 60 minutes*
Set to loading / traffic	after 24 hours*
Final strength:	after 7 days*

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

## Substrate Preparation:

The seaming-tape must be properly laid onto the substrate, flat and without folds. For exterior use, UZIN KR 436 must only be installed onto substrates which are permeable and / or have good drainage, whereby an appropriate run-off of surface water is guaranteed by the construction.

## Application:

1. Before use, allow the combi-can to come to room temperature. Puncture the plastic plug and floor of the lid container (Hardener B) several times, e.g. with a long screwdriver. Allow all of the hardener to flow into the base container (Resin A). Remove the empty lid container and thoroughly mix the two components with a suitable drill attachment (spiral, propeller or basket type, etc.). Ensure proper mixing, especially around the floor and walls of the container.
2. For bonding seaming-tape with artificial grass coverings, pour out the adhesive along the centre of the tape. Spread the adhesive on the seaming-tape evenly and at least 20 cm wide using a C1 notched trowel. Avoid large deposits of adhesive. When bonding large areas, mechanical applicators, e.g. pressurised containers or compressors, can also be used. Lay in the covering, roll well and then roll again after approx. 45 minutes. If necessary, weight with sand-bags, especially during long working breaks.
3. Clean adhesive contamination and tools immediately with EP-Thinners UZIN VE 124. Hardened adhesive can only be removed by mechanical means.

## Consumption:

Trowel Notch	Consumption
C1	1000 – 1300 g/m <sup>2</sup>
Approx. 3 line per kg for seam-bonding	

## Important Notes:

- ▶ Minimum shelf-life 12 months in original packaging and in cool dry storage conditions. Cooled stored components will cause viscous consistence, therefore allow adhesive to come to room temperature (min. 15 °C / 59 °F) before use.
- ▶ Best applied at 18–25 °C / 64–77 °F and floor temperature above 5 °C / 41 °F. Low temperatures extend, whilst high temperatures shorten the pot-life and setting times.
- ▶ Inadequately mixed adhesive stays soft and has no strength, therefore ensure it is mixed well for several minutes and do not use the scraped out residue.
- ▶ Do not mix part quantities.
- ▶ The following standards and notices are applicable and especially recommended: BS8203, BS8204, BS5352 / DIN 18 365 Floor Covering Work/Instructions of the synthetic grass manufacturer should be observed.

## Protection of the Workplace and the Environment:

Solvent-free. Non flammable. Comp. A: Requires no special protection or precautions in general use. Comp. B: Harmful. Contains diphenylmethane-diisocyanate. Harmful on inhalation. Irritating to eyes, respiratory system and skin. There is limited evidence of a carcinogenic effect for respirable vapours of MDI. May cause sensitisation by inhalation and skin contact. Use barrier cream, protective gloves and safety-goggles. Provide good ventilation. 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, presents no physiological or ecological risk. Does not contaminate the indoor air quality with either formaldehyde or other volatile compounds.

## Disposal:

Where possible, collect product residues and re-use. Do not empty into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residues are Special Waste, those with mixed and cured residues are Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.