

Premium dry adhesive film carrier

UZIN SIGAN®

Dry adhesive for PVC/CV coverings, chlorine-free or PUR coverings, design, rubber and textile coverings, Kugelgarn and Flotex on smooth substrates or on non-textured coverings.

SUITABLE FOR:

- ▶ PVC and CV floor coverings
- ▶ Chlorine-free or PUR floor coverings
- ▶ PVC design floor coverings up to 1300 mm
- ▶ Homogeneous rubber up to 3.5 mm
- ▶ Vinyl-polyester floor coverings or woven vinyl
- ▶ Tufted textile floor coverings with all standard backing types (except PVC backing)
- ▶ Carpet tiles with non-woven or PVC backing
- ▶ Kugelgarn® and Kugelvlies®
- ▶ Flotex®

SUITABLE FOR:

Directly bonded to existing floor coverings such as:

- ▶ PVC and CV floor coverings
- ▶ PVC design flooring (smooth)
- ▶ PVC-coated cork flooring
- ▶ Linoleum
- ▶ Rubber flooring (smooth)
- ▶ PUR and epoxy resin coatings (smooth, non-porous, at least 3 months old)
- ▶ Artificial stone, terrazzo, ceramic tiles (smooth, without height differences)

In combination with UZIN PLANUS primer on raw substrates such as:

- ▶ Filler
- ▶ 2-component PUR levelling compound (e.g. UZIN KR 410)
- ▶ Epoxy resin vapour barriers
- ▶ UZIN RenoTop PLUS
- ▶ MDF boards
- ▶ Metal

Note: For further combinations of other floor covering types and substrates, seek technical advice



PRODUCT BENEFITS/FEATURES:

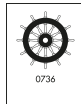
Patented special film carrier with micro-ventilation, double-sided adhesive, for laying textile and elastic floor coverings, which can later be removed without leaving any residue. Suitable for all property sizes without surface restrictions. For indoor use.

- ▶ quick and easy installation
- ▶ Can be laid without bubbles, thanks to micro-ventilation and ventilation channels
- ▶ The floor covering can be walked on and subjected to loads immediately, and can be welded or grouted straight away
- ▶ Can be removed later without leaving any residue
- ▶ Hot-water underfloor heating
- ▶ Spray extraction cleaning in accordance with RAL 991
- ▶ Heavy-duty use in commercial and industrial settings (e.g. pallet trucks or forklift trucks)

TECHNICAL DATA:

Packaging	carton
Shelf life	min. 60 months
Color	White / transparent
Open time	unlimited
Setting time / cure time	none
Ready for foot traffic	immediately after installation
Minimum application temperature	15 °C at ground level
Loadable	immediately after installation
Joint sealing	immediately after installation

*At 20 °C and 65% relative humidity.



for new resilient and textile floor coverings
ON new substrates and existing floor coverings

SUBSTRATE PREPARATION:

- ▶ The substrate must be solid, level, permanently dry, free from cracks, clean and free from any substances that could impair adhesion.
- ▶ Check the substrate in accordance with applicable standards and guidelines and report any defects.
- ▶ Vacuum the surface thoroughly. Wipe existing floor coverings with a damp cloth. Prime and fill other substrates as appropriate.
- ▶ Refer to the UZIN product overview for suitable primers and levelling compounds depending on the substrate, top layer and expected traffic.
- ▶ Thoroughly clean, degrease and remove dust from aluminium and non-rusting metals.
- ▶ Prime substrates requiring priming with UZIN PLANUS and allow to dry thoroughly.
- ▶ Test bonding: Apply UZIN Sigan® to the substrate and rub in. If bubbles form or UZIN Sigan® detaches from the substrate, degrease the substrate again and, if necessary, seek technical advice.
- ▶ Allow the floor covering and UZIN Sigan® to relax and acclimatise sufficiently (48 hours) in the room where they are to be laid, in accordance with the manufacturer's instructions.
- ▶ Refer to the product data sheets for the products used and the floor coverings.

APPLICATION:

Fitting UZIN Sigan® edge tape:

- ▶ Apply the edge tape along walls, doors and vertical structural elements to
 - compensate for uneven walls
 - create increased adhesive strength at the edges
 - facilitate bonding in hard-to-reach areas
- ▶ Install UZIN Sigan® edge tape butt-jointed or, if overlapping, trim back to the butt joint

Laying UZIN Sigan®:

Unroll UZIN Sigan® in the direction of the new floor covering, press down firmly and then trim to size with a utility knife, or apply edge-to-edge with a maximum joint width of 3 mm. Take care not to damage the existing subfloor. Position the final strip of UZIN Sigan® starting from the wall and trim the overlapping area to fit flush. Repack any remaining UZIN Sigan® roll in its original box.

Note: Never stick the side of the film with the stronger adhesive (covered with protective paper) to the subfloor. With resilient floor coverings, the ventilation channels may show through on the surface. When applying, use only as much UZIN Sigan® as can be laid with the floor covering on the same day.

Laying floor coverings:

- ▶ Lay out the floor covering and roughly position it. Fold back the floor covering strip halfway in the direction of traffic.

Removing the protective paper:

- ▶ Peel the protective paper off the Sigan® edge tape. Peel the protective paper off the Sigan® flat and straight down to the folded-back floor covering. Cut the peeled-off protective paper to a remaining length of 10 cm. Fold the remainder under the folded-back floor covering (forming a flap). Stack and roll up the protective paper (minimises waste volume).

Laying textile floor coverings:

- ▶ Lay the first half of the textile covering without tension or wrinkles and rub or roll it down.
- ▶ Fold back the second half of the textile covering and use the flap to peel off the remaining protective paper.
- ▶ Lay the textile covering, press it down and roll it out, then cut it to size at the edge.

Laying textile coverings with a seam:

Before laying, cut the seam according to the manufacturer's instructions. For double cuts, place a steel strip underneath (never cut through Sigan®).

- ▶ The floor covering seam must not lie on the joint of Sigan®.
- ▶ Lay the textile strip precisely over the seam.
- ▶ Fold back half of the textile covering.
- ▶ Peel off the protective paper flat and form a flap. Insert the first strip and press down, then gradually position the second strip precisely against the seam and work it in. Press down and roll well in the crosswise direction.

Caution: Do not use knee tensioners or seam clips!

Water trick for textile coverings: When laying the seam, cutting to size and tucking the textile covering under radiators, around columns, etc., the upper adhesive side can be moistened with a damp sponge to eliminate the adhesive strength during processing. As soon as the water has evaporated, Sigan® regains its full adhesive strength. Rub the textile covering thoroughly once more.

Laying resilient floor coverings:

- ▶ Gradually slide in the first half of the resilient floor covering (avoiding air bubbles) and rub or roll it down in a crosswise direction.
- ▶ Fold back the second half of the floor covering and use the tab to peel off the remaining protective paper.
- ▶ Slowly slide the floor covering into place, rub it in / roll it out and cut it to size at the edge.

Laying resilient floor coverings with a seam:

Before installation, cut the seam according to the manufacturer's instructions. For double cuts, place a steel strip underneath (never cut through Sigan®).

- ▶ The floor covering seam must not lie on the joint of Sigan®.
- ▶ Lay the floor covering strip precisely against the seam. Fold back half of the covering strips without moving them. Peel off the protective paper flat and form a flap.
- ▶ Slide in the first strip and press down, then gradually bring the second strip diagonally towards the seam and position it precisely. Press down firmly in the transverse direction / roll over.

Welding/grouting seams and joints:

- ▶ Joints and seams in elastic floor coverings in sheets and tiles (except for design coverings) must be thermally or chemically welded or grouted.
- ▶ Welding/grouting can be carried out immediately after bonding.

- ▶ Follow the flooring manufacturer's instructions when carrying out the welding/grouting.

Laying design flooring and tiles:

Measure the room and lay out the planks/tiles.

- ▶ Mark the starting points of the first row of planks/tiles and, if applicable, the wall frieze on the protective paper using a suitable pen (soft pencil or standard DVD marker).
- ▶ Place the steel rail along the starting points and align it.
- ▶ Peel the Sigan® protective paper off flat and straight up to the steel strip.
- ▶ Tear the backing paper diagonally upwards along the steel rail. The straight line created in this way serves as the alignment line for the first row of planks or tiles.
- ▶ Lay the planks/tiles along the alignment line without pulling or straining, and press them down firmly by hand.
- ▶ Continuously peel back the backing paper, keeping it flat and straight. Lay the flooring as described. If installation is interrupted, the backing paper can be set aside to protect the Sigan®. Once installation is complete, rub or roll the entire surface thoroughly in a criss-cross pattern.

Remove floor coverings without leaving any residue – without damaging the subfloor.

- ▶ First cut the floor covering into strips (approx. 25–50 cm) using a hook knife. Do not damage the subfloor!
- ▶ Starting from one corner, peel the flooring away from the subfloor using edge tape.
- ▶ Peel off the floor covering together with UZIN Sigan® at an acute/flat angle.

On existing floor coverings, UZIN Sigan® can be removed again without leaving any residue without Planus. UZIN Sigan® can no longer be separated from the back of the floor covering – but can be disposed of with the covering without any problems.

Disposal: Empty cartridges and cardboard packaging are recyclable. Any remaining material can be disposed of as household waste.

IMPORTANT NOTES:

- ▶ Store in an upright position in a dry, cool place away from direct sunlight. Wrap opened rolls back in the protective paper and pack them in the original box.
- ▶ Fill joints and gaps in plywood and MDF boards with a stable, cement-based filler.
- ▶ When installing on the impact-sound-insulating renovation board UZIN RenoTop PLUS, a thin layer of a 1K PU primer (e.g. UZIN PE 414 Turbo) can be applied with a trowel before applying Planus. This reliably prevents any swelling of the joint edges.
- ▶ Suitable floor coverings include PVC and rubber floor coverings, as well as textile floor coverings with PVC backing in rolls and tiles, which exhibit dimensional changes of $\leq 0.40\%$ when tested in accordance with test standards EN ISO 23999, design floor coverings that exhibit dimensional changes of $\leq 0.25\%$, tested in accordance with EN ISO 23999, as well as tufted textile floor coverings. Only design floor coverings and PVC tiles without visually discernible internal stress or warping may be bonded.
- ▶ The flooring manufacturer's instructions must be followed when carrying out welding/grouting.

- ▶ Any texture present on the covered existing floor covering/subfloor may show through onto the new covering or impair the adhesive strength. If in doubt, carry out a test installation.
- ▶ Moisture rising from the subfloor cannot diffuse through UZIN Sigan®.

UZIN guarantees all properties specified in the installation instructions for 5 years.

UZIN Sigan® complies with VOB Part C, Section 2.7 Adhesives: 'They form a firm and permanent bond and do not damage either the floor covering or the substrate, nor do they cause any odour nuisance after application'.

Observe the generally accepted rules of the trade and technical standards for floor covering installation in accordance with the applicable national standards (EN, DIN, VOB, OE, SIA, TKB-12).

In all cases, independent adhesion tests must be carried out on site prior to application.

The warranty is excluded if:

- ▶ UZIN Sigan® is used outdoors, in operating theatres or in vehicle construction.
- ▶ unusual influences, particularly of a chemical or mechanical nature, affect the product.
- ▶ The substrate breaks away (insufficient strength of the substrate).
- ▶ the product is applied or used in a manner deviating from the application instructions (never use on walls or stairs)
- ▶ Joints and seams in elastic floor coverings in rolls and tiles (except for design coverings) have not been thermally or chemically welded or grouted.
- ▶ Discolouration occurs due to chemical reactions between the floor covering and the substrate.
- ▶ joints or warping form due to dimensional changes in the floor covering.
- ▶ the floor covering has been laid under tension or stress.
- ▶ Moisture affects UZIN Sigan®.
- ▶ Installation was carried out at temperatures below $15\text{ }^{\circ}\text{C}$ (at floor level!).
- ▶ UZIN Sigan® is used in areas subject to increased thermal stress (e.g. conservatories).
- ▶ no test bonding was carried out.

SEALS OF QUALITY & ECOLABELS:

- ▶ EMICODE EC 1 PLUS / Very low emission
- ▶ Blue Angel according to DE-UZ 113 / Environmentally friendly because of low emissions
- ▶ ECO₂ CHOICE
- ▶ Manufacturer-specific EPD
- ▶ Suitable for sustainable building certifications in accordance with: DGNB, QNG, BNB, BREEAM, LEED

COMPOSITION:

Acrylic copolymers, wetting and defoaming agents, plastic film, paper.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

The product does not require any special labour protection measures. For reasons of working hygiene, we recommend avoiding eating, drinking and smoking during processing of this product. Store out of the reach of children. For more information refer to www.uzin.com or contact +49 731 4097-0.

DISPOSAL:

Empty shells and the cardboard packaging can be recycled. Material remnants can be disposed of as household waste.