

High-performance adhesive for larger areas (special foil carrier)

## UZIN Sigan Elements Plus

Metal reinforced adhesive tape for rapidly installing new PVC floor coverings onto levelling compounds, chipboard and metal

### MAIN APPLICATION FIELD:

#### Resilient floor coverings:

Dimensionally stabilising, metal-reinforced special adhesive system. Double-sided adhesive, for installing LVT and PVC tile onto levelling compounds, chipboard and metal. Once installed the floor coverings can be removed at a later time without residues, guaranteed! Suitable for areas of any size. Sigan Elements Plus is resistant to cleaning agents, spray extraction cleaning and professional vacuum cleaners (although pooled water should be avoided). Sigan Elements Plus is also suitable for underfloor heating and permits usage under high loads and traffic such as chair castors. For interior use only.

### PRODUCT BENEFITS/FEATURES:

Resilient floor coverings:

- ▶ Luxury Vinyl Tiles up to 3.2 mm
- ▶ PVC tile products2

Textile flooring:

- ▶ Barrier matting with PVC backing
- ▶ Flotex

### SUITABLE ON / FOR:

Only use Sigan Elements Plus with Planus special primer.

- ▶ Cementitious levelling compound (sanded)
- ▶ Calcium sulphate levelling compound (dried and sanded according to manufacturer's recommendation)
- ▶ Epoxy resin vapour barrier



### PRODUCT BENEFITS/FEATURES:

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- ▶ Dimensionally stabilising
- ▶ Quick and easy installation
- ▶ Floor covering immediately ready for foot traffic and loading
- ▶ Immediately weldable
- ▶ PVC luxury floor covering and PVC tiles can be installed without joints
- ▶ Future removal without residues
- ▶ Solvent-free
- ▶ Does not dry out or become brittle
- ▶ EMICODE EC 1 PLUS / Very low-emission

### TECHNICAL DATA:

Packaging	carton
Pack size	Sigan Elements Plus roll: 75 cm x 25 m; Sigan Elements Plus tape: 5 cm x 25 m
Shelf life	min. 24 months
Colour	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 < Luxury Vinyl Tiles and PVC tiles

ON > Levelling compounds, Chipboard, Metal

## SUBSTRATE PREPARATION:

- ▶ The substrate must be sound, flat, permanently 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.
- ▶ Thoroughly vacuum the substrate and then, prime and smooth the surface.
- ▶ Depending on the substrate, and floor covering, suitable primers and levelling compounds can be taken from the UZIN product range.
- ▶ Always allow primer and levelling compound to dry out.
- ▶ Thoroughly degrease / clean aluminium and non-rusting metals. Allow PU-based smoothing compounds to dry for a minimum of three days before applying Planus primer. Planus must be allowed to dry overnight.
- ▶ Observe the product data sheets of the other UZIN products as well as the floor coverings used.

## APPLICATION:

Perfect bonding with Sigan Elements Plus and removal without residues is guaranteed with Planus. Do not use any other primer!

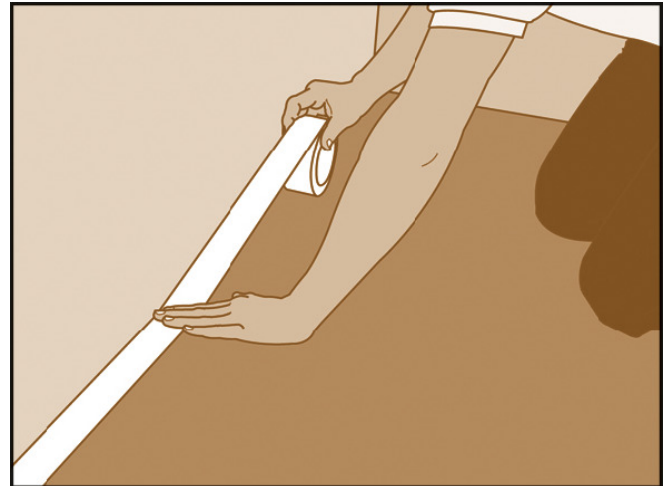
### Apply special Planus primer:

- ▶ Clean subfloor well with industrial vacuum cleaner
- ▶ Shake Planus container well and refill liquid undiluted into clean bucket
- ▶ Evenly prime crosswise with a fine-pored UZIN foam roller. Avoid the formation of puddles. Apply two times on wooden materials using a Nylon fibre roller. The surface must show a thin film after drying (light gloss).
- ▶ Allow to dry for at least 2 hours with good ventilation. The Planus must be completely dried out. The drying time depends on the ventilation, the room climate and the substrate. The drying time on calcium sulphate levelling compounds can last up to 4 hours.
- ▶ Do not allow floor covering to acclimatise on Planus.
- ▶ Trial bonding: Rub Sigan Elements Plus well onto substrate. Re-apply Planus if Sigan Elements Plus detaches from the substrate or obtain your technical advice.
- ▶ In order to minimize a possible forming of joints, you should allow the floor covering and the Sigan Elements Plus to acclimatise sufficiently (48 h) according to the manufacture's recommendations.



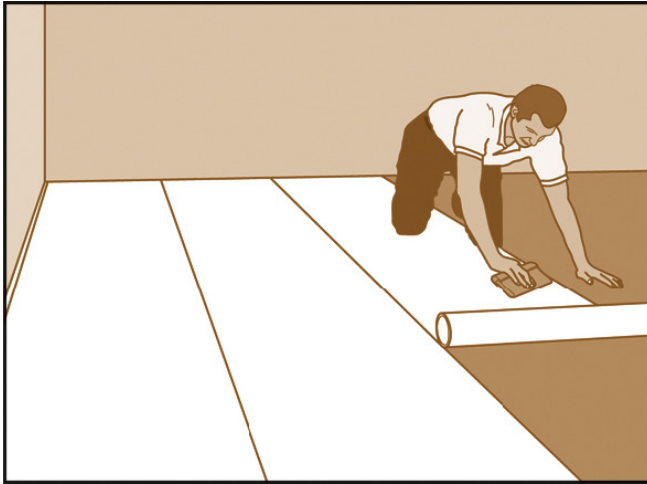
### 1) Install 50 mm Sigan Elements Plus tape:

- ▶ Apply Sigan Elements Plus tape along walls and doors, a) to even out uneven walls, b) for increased adhesion in the edge areas, c) for gluing areas that are difficult to access.
- ▶ Do not pull off the protective paper yet.
- ▶ Do not overlap the Sigan Elements Plus tape, but mount edge to edge, or cut back to a butt-joint where overlapping.



### 2) Installing 750 mm Sigan Elements Plus Roll:

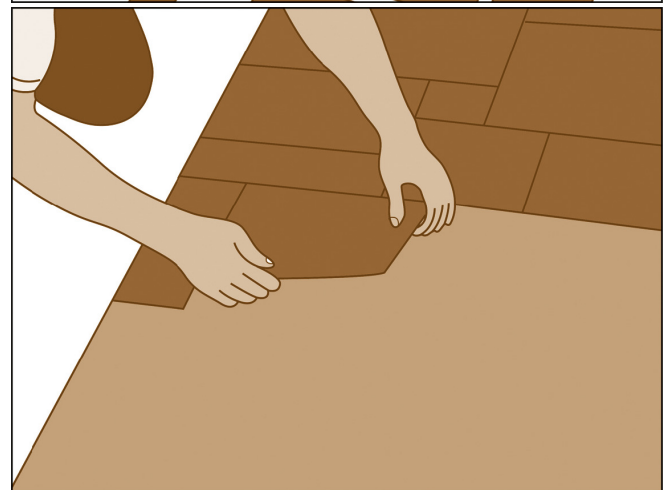
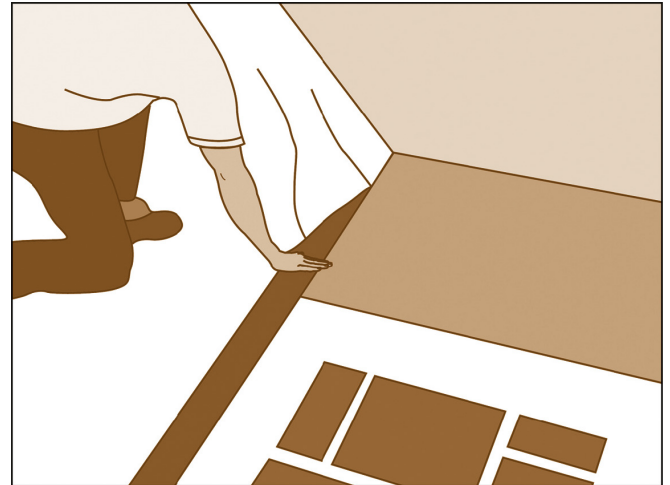
- ▶ Unroll the Sigan Elements Plus in the running or working direction of the new floor covering – with a slight pressure on the roll – preferably roll out overlapping, rub down well and then cut back to the joint using a hooked knife, or roll out edge to edge directly (max. 3 mm gap allowed, no overlapping). Do not damage the substrate.
- ▶ **Never bond the grey matted side (covered with paper) to the substrate!**
- ▶ Sigan Elements Plus may overlap Sigan Elements Plus tape but must be cut back to fit edge to edge.
- ▶ Install the last run of Sigan Elements Plus starting from the wall. Cut back the resulting overlap to fit edge-to-edge using a hooked knife. Do not damage the substrate while doing this.
- ▶ Wrap any remaining Sigan Elements Plus roll with protective paper (edge protection and protection against dust).
- ▶ Only roll out the same amount of Sigan Elements Plus as the amount of floor covering that will be installed on the same day.



- ▶ If the installation process is interrupted, the protective paper can be reapplied as protection for the Sigan Elements.
- ▶ After installation, rub/roll down firmly crosswise over the whole area.

### 3)

- ▶ Install the last run of Sigan Elements plus starting from the wall. Cut back the resulting overlap to fit edge-to-edge using a hooked knife. Do not damage the substrate while doing this.
- ▶ Wrap any remaining Sigan Elements Plus roll with protective paper (edge protection and protection against dust).



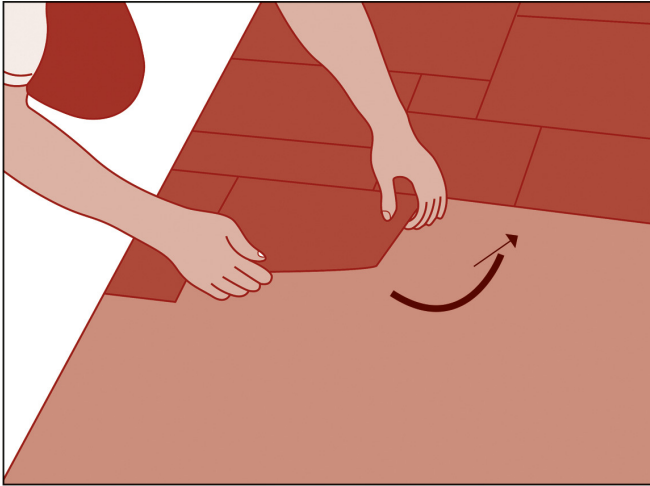
### 4) Installing Luxury floor covering and tiles:

- ▶ Measure the room, divide into planks/tiles. Mark the starting point of the first row of planks/tiles with a suitable pen on the protective paper.
- ▶ Place a steel rail along the starting points and align.
- ▶ Pull the protective paper away from the Sigan Elements horizontally and straight up to the steel rail.
- ▶ Tear off the protective paper along the steel rail at an angle toward the top. The straight line this created serves as reference line of the first row of planks/tiles.
- ▶ Stack the protective paper and roll together (minimises the waste volume).
- ▶ Install the planks/tiles along the reference line without stressing and press down firmly by hand.
- ▶ Continually pull back the protective paper horizontally and straight. Install the floor covering as described.

### Sigan Elements Plus: Removing floor covering without residues – without damaging the substrate.

- ▶ Separate the planks or tiles with edge tape from the substrate starting at one corner. If necessary, cut planks / tiles in stripes. Do not damage the substrate.
- ▶ Pull away floor covering together with Sigan Elements Plus at a flat angle, and you're finished! No adhesive residues will remain on the substrate when using Sigan Elements Plus together with Planus! The removed floor covering can't be reused.
- ▶ Before any further laying with Sigan Elements Plus, the substrate must first be vacuumed and cleaned. Apply the special Planus Primer as required, and allow to dry completely. Then install the new floor covering with Sigan Elements Plus.





## IMPORTANT NOTES:

Store in standing position in a dry and cool place, away from direct sunlight. Rewrap opened rolls in protective paper.

- ▶ PVC tiles and panels as well as textile floor covering with PVC backing that meet the dimensional changes according to EN 434 or EN ISO 23999 are suitable.
- ▶ PVC tiles (up to 65 × 65 cm) and PVC luxury floor coverings with respective dimensional change characteristics can be installed without jointing / welding.
- ▶ Only PVC luxury floor coverings and PVC tiles without optically detectable inherent tension or bulging may be bonded.
- ▶ Only use Sigan Elements Plus onto metals pretreated with anti-rust primer.
- ▶ With chipboard P3 / P5 / P7, plywood and MDF boards level butts and joints with low-slump cementitious levelling compound.
- ▶ When installing onto UZIN RenoTop PLUS we recommend the use of 1-C PU based Primer (e. g. UZIN PE 414 Turbo) as a skim coat to prevent swellings on the seams.
- ▶ Allow PU-based smoothing compounds to dry for a minimum of three days before applying Planus primer. Planus must be allowed to dry overnight.
- ▶ Rising humidity from the subfloor can't pass through the Sigan Elements Plus foil carrier. Enclosed moisture could cause damage to the construction underneath.

### Further substrates:

- ▶ Textile floor covering → Sigaway
- ▶ Smooth, used substrates → Sigan Elements

**UZIN grants a 5-year warranty for all properties claimed in the processing instructions.**

Sigan Elements Plus complies to VOB Part C, Pt. 2.7 Adhesives: "They form a fixed and durable connection, and cause no impairment to either the floor covering or the substrate and produce no pollution through odour after fitting".

- ▶ Follow the generally accepted rules of the trade and the technology for laying floor coverings according to the valid national standards EN, DIN, VOB, OE, SIA and TKB-Technical Briefing Note 12.

The warranty becomes void if:

- ▶ Sigan Elements Plus products are used in outside areas, operating theatres and in vehicle construction.
- ▶ unusual influences, and in particular those of a chemical or mechanical nature, affect the product.
- ▶ substrate unevenness occurs (insufficient stability of the substrate).
- ▶ in case of any utilisation or processing that deviates from the laying instructions (never use Sigan Elements Plus on stairs or walls).
- ▶ PVC / CV runs or tiles are not thermally or chemically welded /joined and joints / seams arise for this reason.
- ▶ discolouration arises from chemical reactions between the floor covering and the substrate.
- ▶ if joints are formed or warping occurs due to dimensional changes of the floor covering.
- ▶ the floor covering was laid stretched and under tension.
- ▶ moisture affects the Sigan Elements Plus.
- ▶ laying is carried out at temperatures below 15 °C (at ground level)
- ▶ Sigan Elements Plus is used in areas with increased air humidity and/or thermal loadings (e. g. conservatories).
- ▶ no adhesive trials have been carried out.

## SEALS OF QUALITY & ECOLABELS:

- ▶ EMICODE EC 1 PLUS / Very low emission

## COMPOSITION:

Metal-reinforced special film carrier, acrylic copolymers, wetting and defoaming agents, 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](http://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.