

Conductive dry adhesive film backing for PVC- and rubber flooring

UZIN PLURAFILM ESD

Dry adhesive for conductive PVC- and rubber sheet and tile flooring

MAIN APPLICATION FIELD:

- Conductive PVC- and rubber coverings in tiles or sheets

SUITABLE ON:

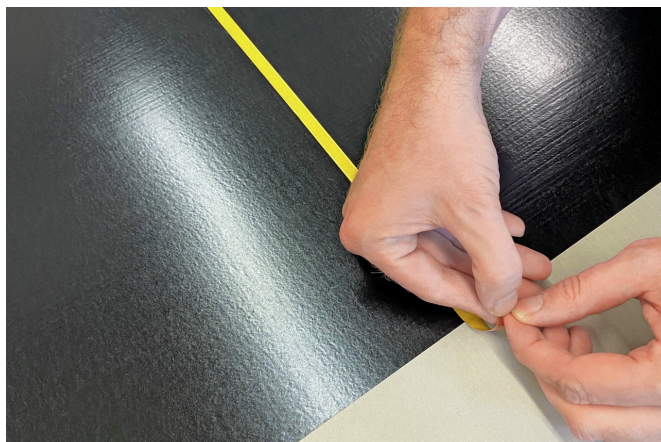
- Levelling compounds (cementitious, gypsum-based)
- 2-component PUR compounds (e.g. UZIN KR 410)
- Epoxy resin vapour barrier
- Aluminium or metal
- on existing floor coverings
- PUR and epoxy resin coating (smooth, non-porous, at least 3 months old)
- Hot water underfloor heating
- Cleaning with a scrubbing machine
- heavy use in commercial and industrial areas (e.g. lift trucks or forklifts)



PRODUCT BENEFITS/FEATURES:

Conductive special foil backing, double-sided adhesive for the permanent installation of conductive PVC- and rubber coverings in sheets and tiles. For direct installation on trowelled substrates or existing floor coverings. Suitable for all sizes of objects without area limitation. For indoor use.

- Quick and easy processing
- Floor covering can be walked on and loaded immediately
- Without flash-off time
- Without limitation of the installation time
- Can be welded immediately



TECHNICAL DATA:

Packaging	carton
Pack size	Content is sufficient for 20 m ² 18.75 m ² area (75 cm x 25 m) 1.25 m ² edge tape (5 cm x 25 m)
Shelf life	min. 60 months
Color	white / black
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 Conductive coverings in sheets and tiles

ON On levelling compounds or elastic floor coverings

SUBSTRATE PREPARATION:

- ▶ The substrate must be sound, level, permanently dry, free from cracks, clean and free from materials that would impair adhesion.
- ▶ Check the substrate according to applicable standards and bulletins and report any concerns in case of defects.
- ▶ The existing floor covering to be covered, if any, must be fully bonded.
- ▶ Cut out damaged areas in the existing floor covering (e.g. stippled seams, holes, indentations) and fill with stable, cementitious, non-sanding fine levelling compound (e.g. UZIN NC 880) (no dispersion levelling compounds)
- ▶ Thoroughly clean and degrease aluminium and non-rusting metals, sand if necessary.
- ▶ UZIN PE 360 PLUS can be used to bind dust on absorbent substrates.
- ▶ Vacuum and damp mop existing floor coverings.
- ▶ Observe the Product Data Sheets of the products used and of the floor coverings.

If suitability for chair castors is required for a new installation with UZIN Plurafilm ESD, both the floor covering to be installed and the already installed, fully bonded floor covering must be suitable for chair castors.

APPLICATION:

1) Stick UZIN Plurafilm ESD edge tape to the floor:

- ▶ Stick a strip of UZIN Plurafilm ESD installation tape along the edge/wall areas onto the installation subfloor.

2) Install UZIN Plurafilm ESD roll:

- ▶ Install UZIN Plurafilm ESD under light pressure on the roll - preferably overlapping, rub well and cut back with the hook knife to butt or roll out directly butt to butt (no overlaps). Do not damage the substrate.
- ▶ Never stick the side covered with protective paper to the subfloor.
- ▶ UZIN Plurafilm ESD can be overlapped on UZIN Plurafilm ESD edge tape, but must be cut back butt to butt.
- ▶ Lay the last strip of UZIN Plurafilm ESD from the wall. Cut back the resulting overlap with a hook knife. Do not damage the substrate.
- ▶ Only roll out as much UZIN Plurafilm ESD as the floor covering will be laid on the same day.

Please contact the flooring manufacturer for the electrical discharge system. The following variants are possible.

- ▶ Stick the UZIN copper conductive tape (protective paper upwards).
- ▶ Distance between UZIN copper conductive tape and wall approx. 30 cm.
- ▶ Provide at least two earthings for rooms > 40 m².
- ▶ Make sure that each strip of UZIN Plurafilm ESD is connected with a copper conductive tape.
- ▶ In rooms with a length and width > 10 m, a cross-connection of the UZIN copper conductive strips is required every 10 m.

In general, the regulations of the respective floor covering manufacturer apply.

3a) Lay the floor covering (sheets):

- ▶ Lay out the floor covering and roughly fit it in.
- ▶ Fold back the flooring sheet by half.

- ▶ Peel the protective paper from UZIN Plurafilm ESD flat and straight to the to the folded back floor covering.
- ▶ Cut off the peeled-off protective paper up to a residue of 10 cm. Fold the remainder under the folded under the folded back floor covering (form a flap).

3b) Install the floor covering (tiles):

- ▶ Measure the room, divide the panels.
- ▶ Mark the starting points of the first row of panels with a suitable on the protective paper.
- ▶ Place the steel rail along the starting points and align.
- ▶ Peel the protective paper from UZIN Plurafilm ESD flat and straight to the to the steel rail.
- ▶ Pull the protective paper along the steel rail at an angle upwards.
- ▶ The resulting straight line serves as the line for the first first row of plats.

IMPORTANT NOTES:

Storage:

Store upright in a dry, cool area without exposure to direct sunlight.

- ▶ Floor coverings in sheets and tiles, tested according to test standards EN ISO 23999, are suitable. Only floor coverings without visually visible residual stress or warping may be bonded.
- ▶ The floor coverings must be grouted according to the specifications of the floor covering manufacturer and any local, contractual or statutory requirements. The floor covering manufacturer's instructions must be observed when grouting the floor covering.
- ▶ Grouting can be carried out immediately after bonding.
- ▶ Moisture rising from the substrate cannot diffuse through UZIN Plurafilm ESD.

UZIN grants a 5-year warranty on all properties guaranteed in the processing instructions.

UZIN Plurafilm ESD complies with VOB Part C, Pt. 2.7 Adhesives: "They form a firm and durable bond and do not impair the floor covering or substrate and do not cause any odour nuisance after processing".

Take into account the generally accepted rules of the trade and technology for floor covering installation of the respective applicable national standards (EN, DIN, VOB, OE, SIA, Code of Practice TKB-12).

In any case, own adhesive tests must be carried out on site before processing.

The warranty is excluded if:

- ▶ UZIN Plurafilm ESD is used outdoors or in vehicle construction.
- ▶ unusual influences, especially of a chemical or mechanical nature, affect the product.
- ▶ processing / use deviates from the processing instructions (never use UZIN Plurafilm ESD on stairs and walls).

- ▶ joints and seams of elastic floor coverings in sheets and tiles have not been thermally / chemically welded / grouted.
- ▶ discolouration occurs due to chemical reactions between floor covering and substrate.
- ▶ joints or warping form on the floor covering due to dimensional changes.
- ▶ the floor covering has been laid under tension or stress.
- ▶ UZIN Plurafilm ESD is exposed to moisture.
- ▶ the installation was carried out below 15 °C (on the floor!).
- ▶ UZIN Plurafilm ESD is used in areas with increased thermal stress (e.g. conservatories).
- ▶ no trial bonding has been carried out.

SEALS OF QUALITY & ECOLABELS:

- ▶ EMICODE EC 1 PLUS / Very low emission
- ▶ Manufacturer-specific EPD
- ▶ Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

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 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.