

Stabilising Underlay / Sheet Membrane*

UZIN RR 185

Flexible, loose-laid, stabilising and damp-proofing underlay

Description:

Flexible, fibre-glass underlay laid loose on the subfloor as a stabilising, isolating and moisture impervious interlayer for bonding new textile, PCV, cushioned vinyl floor coverings and linoleum** in interior locations. Physically separates the covering from the substrate. For use as an exterior waterproofing membrane* only in conjunction with the UZIN BalkoRapid System.



Especially suitable for/on:

- ▶ all adequately sound and level surfaces
- ▶ old and new surface finishes such as PVC and cushioned vinyl, linoleum, parquet, stone and ceramic flooring, coatings, etc.
- ▶ on surfaces unfit for direct installation (e.g. oil contamination or excess residual moisture) where damaging interaction between subfloor and covering must be excluded
- ▶ when the covering must be bonded, but the surface of the subfloor must not be damaged and must be later restored to its original condition
- ▶ new textile, PVC and cushioned vinyl flooring with suitable dispersion adhesives onto the stabilising underlay
- ▶ as a waterproof membrane for balconies and terraces in the UZIN BalkoRapid System
- ▶ domestic and commercial locations and also exhibitions
- ▶ conjunction with appropriate floor covering, for area exposed to castor wheels in accordance with DIN EN 12 529

Not suitable for use on warm water underfloor heating systems.

Product Properties / Benefits:

Flexible, stabilising and isolating underlay sheet with cross-shaped latex-foam studs on the underside. The studs provide an air-layer of approx. 1 mm thickness between the stabilising underlay and the substrate – the underlay serves as the surface for the new, bonded covering. It has an inherent, stabilising stiffness for good load distribution and

high dimensional stability, even under relatively heavy point-loading. Old floor coverings that contain asbestos can be left intact, avoiding the need for extensive and cost-intensive renovation work. Impervious and water-resistant, therefore suitable for normal cleaning methods used on the surface covering.

Composition: Polymer-bonded glass-fibre fleece.

- ▶ Minimal thickness
- ▶ Easy to cut and install
- ▶ Excellent lay-flat properties
- ▶ Level surface ideal for adhesives
- ▶ Impervious and non-absorbent
- ▶ Resistant to water and cleaning systems
- ▶ Provides impact-, sound- and thermal- insulation
- ▶ Easy to remove
- ▶ Ideal for renovation work

Technical Data:

Format:	sheet in rolls
Sheet width:	2 m
Roll length:	25 m
Roll weight:	approx. 62.5 kg
Weight:	approx. 1.25 kg / m ²
Thickness:	approx. 1.5 mm
Colour:	grey
Tensile strength (DIN 53 504):	200 N / mm ²
Stretch to break (DIN 53 504):	5 %

Other technical information available on request.

* Waterproofing membrane in the BalkoRapid System.

** When installing linoleum on, obtain technical advice.

Substrate Preparation:

The substrate must be level, sound and clean. Cracks must not be moving, Residual moisture must not exceed 2.0 CM% for calcium sulphate screeds and 5.0 CM% for cement screeds. Test the substrate in accordance with applicable standards and notices and report any deficiencies.

Existing coverings must be fully secured and free from maintenance materials or separating agents. Joints in ceramic tiling must not exceed 5 mm.

When using as a waterproof membrane in the UZIN Balko-Rapid System, refer to the special installation instructions.

Professionally prepared uneven surfaces (levels must meet the requirements of DIN 18202) and, if necessary, apply primer and smoothing compound. Before laying out the underlay, light abrasion and thorough cleaning of the surface is recommended.

Always allow primers and levelling compounds to dry thoroughly. Refer to the Product Data Sheets for the UZIN products used, as well as the instructions of the covering manufacturer.

Installation:

- 1. Installing the underlay:** Lay out and cut in the underlay sheet parallel with the proposed direction of the new covering but with joints off-set (min. 50 cm). Cut in any butt-joints as necessary. Side seams can, as a rule, be left untrimmed. Leave a gap of at least 3 mm against any fixtures, including other floor coverings. For cutting, use a hooked blade.
- 2. Lay a paper strip under the joints of the underlay** so as to avoid adhesive contamination getting onto the sub-floor or bonding of the edges of the underlay. At junctions between areas, and between rooms and hallways, a trim must be fitted to separate the underlay and to allow movement on both sides of the junction.
- 3. Bonding the surface covering:** Installation of the new covering onto the underlay is carried out according to normal trade practice for „floor covering work“. Lay out both underlay and covering and allow to acclimatise for 24 – 48 hours. Stresses in the covering should be neutralised by back-rolling, including on the long edges, to counteract the potential for lifting.
- 4. The underlay is not absorbent.** To bond relatively impervious coverings (such as carpets with latexed or foam backings, and PVC or cushioned vinyl), an UZIN flooring adhesive is recommended that is suitable for non-absorbent surfaces. That is, e.g. Universal-Pressure-Sensitive Adhesive UZIN KE 2000 S or 2-Component Epoxy Adhesive UZIN KR 421 for PVC and cushioned vinyl. For carpets, Special Textile Adhesive UZIN UZ 90 or Universal Textile Adhesive UZIN UZ 57.

Consumption:

Type of Covering	Trowel Notch	Open Time	Consumption
Carpet with secondary backing with UZIN UZ 57 UZIN UZ 90	B 1 B 1	approx. 15 – 25 mins. 10 – 20 mins.	approx. 350 – 400 g/m ² 300 g/m ²
Needlepunch with UZIN UZ 57 UZIN KE 603	B 1 B 1/B 2	approx. 15 – 25 mins. 10 – 20 mins.	approx. 350 – 400 g/m ² 400 – 450 g/m ²
PVC and cushioned vinyl with UZIN KE 2000 S	A 1/A 5	20 – 40 mins.	150 – 250 g/m ²
PVC-Design with UZIN KR 421	A 1/A 5	0 – 20 mins.	approx. 150 – 200 g/m ²

Important Notes:

- ▶ Store rolls standing. Protect the sides of the rolls from impact damage.
- ▶ Optimum working conditions are 18 – 25 °C/64 – 77 °F, floor temperature above 15 °C/59 °F, relative humidity below 75 %. Low temperatures and high humidity lengthen, high temperatures and low humidity shorten the working-, setting- and drying- times of the adhesive used.
- ▶ On wooden floors, and floors with high residual humidity, ensure adequate ventilation at the junction with walls, e.g. using ventilated skirtings (source: WESER-Bauprofile GmbH, Tel: 05101-2057, 30966 Hemmingen.)
- ▶ The maximum point-loading must not exceed 3 N/mm². Castor wheels must meet DIN EN 12 529. Goods handling vehicles must have pneumatic tyres or be equipped with "Vulkollan" or solid rubber wheels. Fork-lift trucks, pallet trucks or electric trolleys must not be used.
- ▶ Not suitable for carpets with a distinct pattern repeat or seam zipper-effect and also textile coverings that do not have adequate dimensional stability, especially natural fibre carpets.
- ▶ For installation of linoleum onto UZIN RR 185, please obtain technical advice. Composition linoleum products, with bonded underlay, cannot be installed on UZIN RR 185.
- ▶ During later floor renovation, the floor covering can be uplifted and disposed along with the attached underlay. Onto the exposed subfloor, a new installation on the stabilising underlay can be repeated.
- ▶ Depending on the local lighting properties, a slight visibility of the joints in the stabilising underlay, in the case of floor coverings with visually sensitive surfaces or relatively thin coverings, cannot be completely excluded.
- ▶ The following standards and notices are applicable and especially recommended: DIN 18365 "Working with floor coverings" /publication of the Federal Association for Screeds and Coverings (BEB) "assessment and preparation of substrates – installation of resilient and textile floor coverings, laminates, parquet and wood-blocks – heated and unheated floor constructions".

Protection of the Workplace and the Environment:

No special measures are required. Refer to the notes on protection of the workplace and the environment in the Product Information Sheets for the other installation materials used.

Disposal:

All product residues are treated as normal construction waste.