

Insulating and Easy-Release Underlay

# UZIN RR 183 Ebofloor

Loose-laid and stabilising underlay for dimensionally stable textile, PVC and cushioned vinyl flooring

## Description:

Flexible, loose-laid and stabilising underlay made from polyester fleece / gel-latex foam for directly bonded, dimensionally stable textile, PVC and cushioned vinyl floor coverings in interior locations. Physically separates the floor covering from the substrate.

Especially suitable:

- ▶ for use on all level, absorbent and non-absorbent substrates
- ▶ for use on old and new floor finishes such as PVC, linoleum, parquet, stone and ceramic flooring, coatings, etc.
- ▶ where the floor covering must be securely bonded, yet the surface of the substrate must not be damaged and can be later restored to its original condition
- ▶ for bonding new, dimensionally stable textile coverings and needlepunch without area restrictions, and for bonding new PVC or cushioned vinyl coverings up to a maximum area of 40 m<sup>2</sup>, using suitable dispersion adhesives on the insulating / release underlay
- ▶ for bonding new PVC, cushioned vinyl and needlepunch floor coverings without area restrictions when also fully bonding the underlay
- ▶ suitable for medium-wear areas in domestic and commercial locations, as well as exhibitions
- ▶ suitable for wet-shampoo and spray-extraction cleaning systems. With appropriate floor coverings and when fully bonded, also suitable for use on warm water underfloor heating systems and for areas exposed to castor wheels in accordance with DIN EN 12 529.

Improves the underfoot comfort, as well as the acoustic and thermal insulation.

## Product Properties / Benefits:

Flexible, insulating and stabilising sheet underlay. The gel-latex foam provides high sound insulation values in conjunction with soft floor coverings. Lies flat on the surface and serves as the substrate for the new, bonded covering. Has inherent, stabilising rigidity for good load distribution and dimensional stability. Water resistant and non-absorbent, therefore, suitable for all normal cleaning processes.



**Material:** Gel-latex foam with a polyester fleece on the top surface.

- ▶ Easy to cut and lay
- ▶ Lies perfectly flat
- ▶ Smooth surface ideal for adhesives
- ▶ Resistant to water and cleaning processes
- ▶ Impact-, acoustic- and thermal- insulation
- ▶ Increases underfoot and ambient comfort
- ▶ High indentation recovery
- ▶ Ideal for renovation work
- ▶ EMICODE EC 1/Very low emission

## Technical Data:

Format:	sheet in rolls
Sheet width:	2 m
Roll length:	25 m
Roll weight:	approx. 90 kg
Weight by area:	approx. 1,8 kg / m <sup>2</sup>
Thickness:	approx. 4 mm
Colour:	light green
Acoustic improvement: *	27 dB
Thermal resistivity: **	0.060 m <sup>2</sup> K / W

\* In accordance with DIN 52 210 without covering.

\*\* In accordance with DIN 52 612 without covering.  
Other technical information on request.

## Substrate Preparation:

The substrate must be clean, level, sound, free from cracks, dry and free from materials that would impair adhesion. Test the substrate in accordance with applicable standards and notices and report any deficiencies. Existing coverings must be well- and fully- bonded and free from detergents and separating agents. The grout lines in ceramic tiling must not exceed a depth of 1 mm. Thoroughly vacuum the surface, then prime and apply a smoothing compound. According to substrate type and occupational use, select suitable primer and smoothing compound from the UZIN Product Guide.

### Examples of Primers (P) and Smoothing Compounds (S):

Cement screeds: (P) UZIN PE 360/(S) UZIN NC 150, UZIN NC 160 or UZIN NC 170 LevelStar

Calcium sulphate screeds: (P) UZIN PE 360/(S) UZIN NC 110 or UZIN NC 170 LevelStar

Mastic asphalt screeds: (P) UZIN PE 260 (if not gritted)/(S) UZIN NC 170 LevelStar thickness on new mastic asphalt screeds max. 5 mm, on old mastic asphalt screeds max. 3 mm

Wooden substrates: (P) UZIN PE 630/(S) UZIN NC 175 (minimum thickness of 3 mm)

Substrate with well-bonded adhesive residues:

(P) UZIN PE 260, if necessary UZIN PE 460 (gritted)/(S) UZIN NC 150, UZIN NC 170 LevelStar, UZIN NC 172 BiTurbo or UZIN NC 182

Always allow primers and smoothing compounds to dry thoroughly. Refer to the Product Data Sheets for the products used.

## Installation:

### Loose-laying the underlay:

1. Lay out and cut in the underlay sheet parallel with the proposed direction of the new covering. Cut in any butt-joints as necessary. Side seams can, as a rule, be left untrimmed but should have a paper strip laid underneath them. Leave a gap of at least 3 mm against all structures.
2. In doorways, fix the sheet with double-sided tape or use a suitable door-bar. Bonding the new covering.
3. Installation of the new covering onto the underlay is carried out according to normal trade practice for floor covering work. The seams in the sheet covering should lie parallel with those in the underlay and be offset by at least 50 cm.

## Adhesives:

Type of Covering	Trowel Notch	Open Time	Consumption
Textile flooring / needlepunch bonded with UZIN UZ 88 UZIN UZ 90	B1	approx. 15 min.	approx. 400 g/m <sup>2</sup>
Impermeable PVC or cushioned vinyl bonded with UZIN KE 2000 S	A1	10 – 20 min.	approx. 250 g/m <sup>2</sup>

## Important Notes:

- ▶ Shelf life minimum 24 months in dry storage conditions. Store rolls on end. Avoid pressure marks.
- ▶ 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, whilst high temperature and low humidity shorten the working-, setting- and drying- times of the adhesives used.
- ▶ The specified acoustic value is an approximate value determined under normed conditions. Due to the individual acoustics in each building and the used materials and compositions in each case the values can differ. To determine the real acoustic value the measurement and its evaluation have to take place at real conditions.
- ▶ Under dimensionally stable textile coverings, no area limitations; under PVC and cushioned vinyl, can be installed up to max. 40 m<sup>2</sup> per area.
- ▶ Recommended UZIN adhesives for where the UZIN RR 183 Ebofloor is to be fully bonded:
  - absorbent substrates:  
Carpet Adhesive UZIN UZ 88/UZ 90
  - non-absorbent substrates:  
Universal Pressure-Sensitive Adhesive UZIN KE 2000 S
- ▶ For exposure to castor wheels, the underlay must be fully bonded. The castor wheel- and indentation- properties of floor coverings can change when used in conjunction with insulating underlays. Despite the high indentation recovery factor of the underlay, some visible, residual indentation in high point-load areas and areas exposed to castor wheels cannot be completely eliminated. In general, under office chairs, the use of protective mats is recommended. In the case of carpets with textile secondary backings, only in areas exposed to castor wheels, there is a risk of backing delamination. Contact the manufacturer and obtain technical advice.
- ▶ On underfloor heating systems, in accordance with DIN 66 095, floor coverings should not exceed a thermal conductivity factor of 0.15 m<sup>2</sup> K/W. The thermal conductivity of the combined underlay/covering is the sum of their individual values.
- ▶ Not suitable for installation under carpets with high inherent tensions or with pattern mis-match, under coverings with a tendency to shrink, under rubber-, linoleum- or polyolefin-coverings or under ceramic tiling.

## 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.

EMICODE EC 1 – “Very low emission”, in compliance with the directives of the registered German Association for the Control of Emissions in Products for Flooring Installation (“GEV”). In compliance with the directives in force, the product does not give off any significant emissions of formaldehyde, toxic substances or other volatile organic compounds (VOCs).

## Disposal:

All product residues are treated as normal construction waste.