Product Datasheet

Stabilising Underlay and Sheet Membrane*

UZIN RR 185

Resilient, loose-laid, stabilising and damp-proof underlay

MAIN APPLICATION FIELD:

- moisture barrier on cementitious screeds up to 98 % R. H.**** (5 CM-%) or on concrete up to 98 % R. H.**** (5 CM-%)
- moisture barrier on calcium sulphate screeds up to 98 % R. H.****(2 CM-%)
- isolating interlayer, e.g. on oily substrates
- system component in the codex BalkuDrain-System and codex BalkuSlim-System

SUITABLE ON / FOR:

- all sufficient level and solid substrates
- existing and new coverings, e.g. PVC or CV floor coverings, linoleum**, wood flooring, stone and ceramic tiles
- coated substrates or similar
- substrates not ready for covering, e.g. oily substrates or substrates with residual moisture
- later removal, when the substrate is not destroyed and should be set back to its original state
- prior to installation of textile, PVC and CV floor coverings
- prior to installation of LVT
- prior to installation of linoleum (obtain technical advice)
- balconies or terraces, implemented in the codex BalkuDrain- or BalkuSlim-System
- suitable for residential and commercial locations as well as trade fair construction
- exposure to castor wheels in accordance with DIN EN 12 529
- wet shampooing and spray extraction cleaning according to RAL 991 A2

PRODUCT BENEFITS/FEATURES:

UZIN RR 185 is a loose-laid, resilient fibre glass underlay. It serves as a stabilising, insulating and damp-proof memrane prior to the installation of floor coverings. Due to the cross-shaped nubs on the bottom, a thin air layer is formed between the underlay and the substrate thus allowing physically separation. Old floor coverings can be left intact avoiding complex renovation work. For interior use.

- lies perfectly flat
- damp-proof
- ideal for substrates with residual moisture
- water and cleaning resistant
- easily removable

TECHNICAL DATA:

Packaging	sheet in rolls
Sizes	2.0 x 25 m = 50 m²
Shelf life	min. 24 months
Color	grey
Roll weight	approx. 62.5 kg (netto)
Area weight	approx. 1.25 kg/m²
Thickness	approx. 1.2 mm
Minimum application temperature	15 °C at ground level and 3 °C above dew point
Elongation at break	5 %***
Pull strength	200 N/mm²***
Width	2 m

*damp-proof membrane in codex BalkuDrain- or codex BalkuSlim-System
**obtain technical advice when installing linoleum
***according to DIN 53 504
****according to DIN EN 17668

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UZIN RR 185

EXTENDED APPLICATIONS:

- decoupling
- removable underlay

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing and clean. Cracks may not move. Residual moisture must not exceed 98 % R. H.**** (2 CM-%) for calcium sulphate screeds and 98 % R. H.***** (5 CM-%) for cement screeds. Test the substrate in accordance with applicable standard or notices and report any deficiencies. Existing substrates must be well-bonded and free of any care products or release agents. The joints between ceramic tiles should not be to deep and not wider than 5 mm. Uneven substrates have to be prepared professionally (evenness according to DIN 18 202), prime and level if necessary. Grind and clean the substrate prior to installation of the underlay.

When using UZIN RR 185 in the codex systems, observe the corresponding datasheets.

The datasheets for other used products have to be observed.

APPLICATION:

Allow the rolls to come to room temperature for at least 24 hours prior the installation.

Loose-laid installation of UZIN RR 185:

1. Lay out the sheet underlay, parallel with the proposed direction of the covering, with polyester backing up. Then cut in (e.g. with a hooked knife blade). Cut roll ends if necessary. Longitudinal seams can stay uncutted but have to be underlaid with a paper strip. Rolls are installed butt-jointed without an intermediate cut. Leave a gap op at least 3 mm to all rising building elements.
2. A trim must be fitted between several rooms and hallways, to seperate the underlay and to allow movement on both sides of the underlay.
3. When subsequently installing floor coverings using dry adhesives such as UZIN Elements, the surface of the stabilizing underlay must be thoroughly sanded with a black pad and vacuumed. Afterward, a trial installation typical for dry adhesives can be performed, followed by the installation of the new flooring using UZIN Elements.

Installation of the floor covering on top of UZIN RR 185:

1. Install the the sheets according to trade practice for floor covering work. The seams should be placed parallel and offset (min. 50 cm) to the seams of the underlay. Use a suitable adhesive (see "Adhesive Data") for the installation.
2. Remove tensions in the floor covering by rubbing over, also at the longitudinal seams.

Type of Coating	Adhesive	Toothing	Flash-off time	Consumption
Textile covering with secondary backing	UZIN UZ 57	B1	15 - 25 minutes*	350 - 450 g/m²
Needle punch	UZIN UZ 88	B1	15 - 20 minutes*	350 - 400 g/m²
PVC / CV floor coverings	UZIN KE 2000 S	A1 / A5	20 - 40 minutes*	180 - 280 g/m²
PVC LVT	UZIN Elements	-	-	-
	UZIN KE 68	A5	-	250 - 300 g/m²
	UZIN KR 430	A1 / A5	0 - 20 minutes*	200 - 300 g/m²

*At 20 °C and 65% relative humidity with tempered adhesive buckets.

IMPORTANT NOTES:

- Shelf life minimum 24 months when stored in relatively cool conditions. Store rolls standing so as to avoid pressure marks.
- Best applied between 18 - 25 °C, substrate temperature above 15 °C and relative humidity below 75 %. Low temperatures and high air humidity lengthen the working and drying time. Whilst high temperatures and low air humidity shorten the working and drying time of the adhesives used.
- Only use floor coverings above the underlay, that are suitable according to the manufacturer. Obtain application advice if in doubt.
- The joints of the covering sheets should be parallel, but approx. 50 cm shifted to the joints of the underlay.
- Adequate ventilation or rear-ventilation must be provided on substrates with high residual moisture, e.g. by installing special skirtings with vent openings.
- The substructure of wooden floors must be dry to prevent damage due to damp through rotting or mould formation. Adequate ventilation or rear-ventilation must be provided especially when installing impermeable flooring, e.g. by removing the existing expansion strip or by installing special skirting with vent openings.
- Due to the essential air layer between the substrate and the underlay, UZIN RR 185 may not be used on underfloor heating systems.
- The max. point load may not exceed 3 N/mm², castor wheels must correspond to DIN EN 12 529, forklift trucks have to be provided with pneumatic or rubber tires. Lift trucks may not be used.
- The castor wheel and point-load resistance of floor coverings can change in combination with insulating underlays. Contact the relevant covering manufacturer and obtain technical advice. Under work-stations where castor wheels are used, provide acrylic mats.
- Not suitable for use under textile coverings with strong pattern repeat or with less dimension stability, especially natural fibre floor coverings.
- Obtain technical advice when installing linoleum on UZIN RR 185. Linoleum bond constructions are not suitable on top of UZIN RR 185.

This product is intended exclusively for professional use by qualified commercial users. It must not be supplied to consumers. The above information is based on our experience and careful investigations. The variety of associated materials and different constructions and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this Product Data Sheet invalidates all previous product information. The respective updated version of this datasheet can be found on our website under www.uzin.com | 09/2026

- 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.
- Follow the generally acknowledged rules of the trade and technology for the installation of floor covering in respective of the applicable national standards (e.g. END, DIN, OE, SIA, etc.)

COMPOSITION:

Polymer-bonded glass-fibre fleece.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

The product itself does not require any special labour protection measures. To protect against glass fibres contained in the product, it is recommended to wear protective clothing, suitable protective cream or protective gloves and to wash face and hands after work. Refer to the notes on protection of the workplace and the environment in the Product Information Sheets for the other installation materials used.

DISPOSAL:

Product residues as well as the combination of covering and renovation underlay are commercial or construction waste containing PVC.

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