

UZIN RR 181 FR

Flame-Retardant, self-adhesive, easy-release underlay for textile floor coverings

Description:

Resilient insulating underlay, based on a synthetic non-woven fleece, for directly adhered textile floor coverings – easy to adhere to the subfloor and can be later removed.

Suitable for:

- ▶ bonding all types of new textile coverings, especially those with strong backing construction, using the appropriate dispersion adhesives onto the comfort underlay
- ▶ use on all level, absorbent and non-absorbent surfaces
- ▶ use on existing coverings, e.g. PVC or cushioned vinyl, linoleum, stone and ceramics, etc. where the existing covering should not be removed or damaged
- ▶ self-adhesive, quick to install, saves time
- ▶ normal wear in domestic locations where additional comfort is required
- ▶ use with wet-shampoo and spray-extraction cleaning systems

Suitability of the overall construction for underfloor heating and resistance to castor wheels in accordance with DIN EN 12 529, as well as indentation performance, must be tested in each case (see "Important Notes").

Product Properties / Benefits:

Flexible sheet underlay with a plasticiser-resistant acrylic adhesive coating on the underside. Bonds well to all types of surface, especially on existing flooring, and serves as the substrate for the new bonded covering. For easy adhesive application, the underlay is surface laminated with a polypropylene fleece. Combines the advantages of gripper-fixed carpet with the advantages of fully-bonded yet removable flooring. Allows time-saving renovation without filth.



Material: Latex-bonded synthetic fleece.

- ▶ Self-adhesive underside
- ▶ Easy to cut and install
- ▶ Excellent lay-flat properties
- ▶ Ideal surface for adhesives
- ▶ Resistant to water and cleaning
- ▶ Acoustically and thermally insulating
- ▶ Increases underfoot and ambient comfort
- ▶ Ideal for renovation work

Technical Data:

| | |
|-------------------------|-------------------------------|
| Format: | sheet in rolls |
| Sheet width: | 1.37 m |
| Roll length: | 22 m |
| Roll weight: | approx. 25 kg |
| Weight by area: | 900 g/m ² |
| Thickness: | approx. 6 mm |
| Colour: | anthracite |
| Fire resistance:* | Euroclass B _{f1} -s1 |
| Acoustic improvement:** | 27 dB |
| Thermal resistivity:*** | 0.22 m ² K/W |

* In accordance with EN ISO 9239-1:2002.

** In accordance with DIN 52 210 without covering.

*** In accordance with ISO 8302.

Other technical information on request.

Substrate Preparation:

The substrate must be level, sound, dry, free from cracks, clean 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 bonded and free from maintenance products and separating agents. Joints in ceramic tiling should not exceed 1 mm wide.

Thoroughly vacuum the existing surface, then prime and apply smoothing compound. According to substrate type and occupational use, select suitable primer and smoothing compound from the UZIN Product Guide.

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

Application:

Installation of the Comfort Underlay: Lay out the sheet underlay, parallel with the proposed direction of the carpet but with joints offset, and cut in. Side seams are butted without pre-trimming. Against all existing structures, e.g. pipe-work, etc., leave a gap of several millimetres. For cutting, best results are achieved with a hooked knife-blade.

Bonding the new carpet: Installation of the new covering onto the Comfort Underlay is according to standard trade practice for "floor covering work". The seams in the covering should be parallel with, but offset by at least approx. 20 cm from those in the underlay.

The underlay has only low absorbency. Therefore, for bonding relatively impermeable textile coverings, (e.g. those with latexed or foam backings), the UZIN flooring adhesives for non-absorbent surfaces are recommended, e.g. 2-Component Dispersion Adhesive UZIN KE 603. For coverings with good permeability, almost all UZIN carpet adhesives, e.g. UZIN UZ 57 or UZIN UZ 90, are suitable.

Adhesive Data:

| Covering Type | Trowel Notch | Open Time | Consumption |
|--|--------------|-----------|--------------------------------|
| Secondary backing with e.g. UZIN UZ 57 or UZIN UZ 90 | B1 | 15 mins. | 400 – 600 g / m ² |
| Needlepunch with UZIN UZ 88/ UZIN KE 603 | B2 | none | approx. 500 g / m ² |

Important Notes:

- ▶ Shelf life minimum 12 months when stored in relatively cool conditions. Store rolls standing so as to 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 temperatures 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.
- ▶ On underfloor heating systems, in accordance with DIN 66 095, floor coverings should not exceed a thermal conductivity factor of 0.15 m²K/W. The thermal conductivity of the combined underlay/covering is the sum of their individual values. Together with the floor covering, the value of 0.15 m²K/W will be exceeded and, therefore, the efficiency of the underfloor heating can be reduced.
- ▶ The castor wheel and point-load resistance of floor coverings can change in conjunction 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 any type of tiling, linoleum, rubber and polyolefin coverings, carpets with strong pattern repeat or seam distortion as well as sisal and coco-fibre carpeting.
- ▶ Refer to the Product Data Sheets for the flooring adhesives used.
- ▶ During later renovation, the carpet can be uplifted and disposed together with the underlay attached. On the exposed, existing floor surface, a new installation with the Comfort Underlay can be carried out.
- ▶ Observe the generally acknowledged rules of the industry and technology for the installation of floor covering and as well as the respective applicable national standards (e.g. EN, DIN, VOB, Ö-NORM, SIA and others). The following standards and bulletins apply as well, amongst others, or are recommended for special consideration:
 - DIN 18 365 "Working with floor coverings", Ö-Norm B 2236
 - ZDB publication "Resilient and textile floor coverings and wood flooring on heated floor constructions"
 - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
 - BEB publication "Assessment and preparation of substrates"
 - TKB publication "Bonding of textile floor covering"

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.