PRODUCT DATA SHEET

Acoustic grade LVT underlay

UZIN RR 620

Self-adhesive, acoustic grade underlay for the installation of luxury vinyl tiles

Areas of application:

Acoustic grade underlay for the installation of luxury vinyl tiles. The self-adhesive side bonds to the substrate whilst the top surface allows the floor covering to be adhered with a wet adhesive. For interior applications.

Main area of application:

- Impact sound absorption under luxury vinyl tiles

Suitable for / on:

- all sufficiently level, absorbent and non-absorbent substrates
- flooring, e.g. PVC / cushioned vinyl floor coverings, linoleum, wood flooring, stone and ceramic floors
- such as coated flooring etc.
- normal traffic in residential and commercial areas
- castor chair resistance according to DIN EN 12 529
- hot water underfloor heating

Product benefits / properties:

UZIN RR 620 is a self-adhesive PUR-bonded installation underlay with mineral fillers for the subsequent installation of luxury vinyl tiles. The acoustic grade sound-insulating properties significantly increase living and walking comfort. In addition, the load-distributing support layer of fibreglass fleece UZIN RR 620 provides extremely high compressive strength.

Composition: Polyurethane bonded underlay with mineral fillers and glass fibre fleece.

- Self-adhesive underside
- Low build-up height
- Immediately ready for covering after installation
- High compressive strength
- High acoustic grade properties
- EMICODE EC 1 PLUS / very low-emission

Technical data:

Packaging form:	rolls
Dimensions:	7.5 m x 1 m = 7.5 m²
Roll weight:	approx. 15 kg (net)
Area weight:	approx. 2.0 kg /m²
Thickness:	approx. 2.0 mm
Colour:	blue
Compressive strength:	18 t/m²
Coefficient of improvement of sound absorption:	approx. 19 dB*
Heat resistance (R):	0.01 m²K/W**
Fire class:	B_{fl}-s1***

* acc. to DIN 16 251-1. Further information on request.
** acc. to DIN CEN / TS 16 354.
*** acc. to EN 13 501-1 without floor covering.

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UZIN RR 620

Subfloor preparation:

The substrate must be firm, flat, free from cracks, dry, clean and free from materials (dirt, oil, grease), that would impair adhesion. Test the substrate in accordance with applicable standards and bulletins and report any deficiencies. Old floor coverings must adhere firmly over whole area and be free of cleaning agent residues. Cementitious and calcium sulphate screeds must be abraded and vacuumed. Remove unstable layers that would reduce adhesion, e.g. by brushing off, abrading, grinding or shot-blasting. Thoroughly vacuum loose material and dust. Prime and smooth depending on the type and condition of the substrate; refer to the UZIN range of products for suitable primers and smoothing compounds. Prime absorbent or dusty substrates with a suitable dispersion primer (e.g. UZIN PE 360).

Observe the product data sheets of the other UZIN products used as well as the notes of the flooring manufacturers.

Application:

Installation of UZIN RR 620:

1. Allow UZIN RR 620 to acclimatise for at least 24 hours prior to installation in the respective rooms.
2. Lay out sheets parallel to the intended direction of the floor covering, with staggered joints at least 20 cm apart, with the adhesive side facing down and cut to size using a trimming knife. Trim top ends and longitudinal seams if necessary. Longitudinal seams can usually remain uncut. Maintain a distance of several millimetres to all upright structures.
3. Fold back half of the laid sheets and remove the protective film from the self-adhesive side, insert the sheets precisely and rub/roll them down thoroughly. Avoid air pockets in the adhesive. Use the same procedure now for the other half.

Installing luxury vinyl tiles:

1. Refer to the "Adhesive data" table for suitable adhesive and install the floor covering in accordance with the manufacturer's recommendation as well as observation of the product data sheets of the adhesives used.

Adhesive data:

Adhesive	Notch size	Open time*	Consumption*
UZIN KE 2000 S	A 1 / A 5	20 – 45 min.	200 – 280 g/m²
UZIN KE 66	A 2	5 – 10 min.	280 g/m²
UZIN KE 68	A 5	–	250 – 300 g/m²
UZIN KR 430	A 5	–	250 – 350 g/m²

* At 20 °C and 65 % relative humidity with room-temperature adhesive containers.

Important notes:

- Shelf life at least 12 months when stored in dry, moderately cool conditions. Place rolls upright, avoid pressure points.
- Optimum working at 18 – 25 °C, floor temperature above 15 °C, relative humidity below 75 %.
- Low temperatures and high humidity will delay whilst high temperatures and low humidity will accelerate the installation, setting and drying time of the adhesives used.
- Compressive and tensile strain, e.g. due to bending, is to be avoided. Do not use partially torn or otherwise damaged sections of the underlay.
- Only use floor coverings on insulating underlays which are recommended as suitable by the manufacturer; if necessary, obtain technical advice.
- The substructure of wooden floors must be dry. Adequate ventilation or rear-ventilation must be provided, e.g. by removing the existing expansion strip or by installing special skirting with vent openings.
- On underfloor heating floor covering should not exceed HTR of 0.15 m² K/W according to DIN 66 095. The HTR of the double-layer underlay / floor covering is derived as sum of their individual HTR values. The effect of underfloor heating may be reduced if the value of 0.15 m²K/W is exceeded.
- The substrate structure may show when used on existing floor covering. Prior smoothing may be required.
- The respective coefficient of improvement of sound absorption specified represents a guide value ascertained under standard conditions. The values may differ due to the individual acoustics of each building and the materials used, as well as possible flooring construction. To determine the actually achieved coefficient of improvement of sound absorption, a measurement and its assessment must be performed under real conditions.
- The castor and indentation characteristics of floor covering may be altered in connection with insulating underlays. Contact the respective flooring manufacturer and obtain application consulting. Acrylate underlay mats should be provided under workplaces subject to chair castor loads.
- The possibility of the substrate structure of existing floor coverings, butts of UZIN RR 620 through floor coverings with surfaces sensitive to marking or relatively thin floor coverings showing through cannot be completely excluded.
- Observe generally acknowledged industry and technology best practice when laying floor coverings, plus the respective applicable national standards. (e.g. EN, DIN, VOB, OE-Norm, SIA, etc.). The following standards and bulletins offer supporting information and/or are recommended reading:
  – DIN 18 365 "Working with floor covering", Ö-Standard B 2236
  – Technical bulletin of the Central Association of the German Building Construction Trade (ZDB) "Resilient floor covering, textile floor covering and wood flooring on heated underfloor 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 PVC floor covering"

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.

EMICODE EC 1 PLUS – Very low emission.

Disposal:

All product residues are treated as normal construction waste.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction 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 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 Homepage under www.uzin.com.