

## Acoustic Grade LVT Underlay

# UZIN RR 620

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

### MAIN APPLICATION FIELD:

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.

### SUITABLE ON / FOR:

- ▶ all sufficiently level, absorbent and non-absorbent substrates
- ▶ flooring, e.g. LVT, PVC/ cushioned vinyl floor coverings, linoleum, wood flooring, stone and ceramics, coated flooring etc.
- ▶ Impact sound absorption under luxury vinyl tiles
- ▶ normal traffic in residential and commercial areas
- ▶ castor chair resistance according to DIN EN 12 529
- ▶ hot water underfloor heating



### PRODUCT BENEFITS/FEATURES:

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.

- ▶ Self-adhesive underside
- ▶ Low build-up height
- ▶ Immediately ready for covering after installation
- ▶ High compressive strength
- ▶ High acoustic grade properties



### TECHNICAL DATA:

Packaging	rolls
Sizes	approx. 1.0 m x 7.5 m = 7.5 m <sup>2</sup>
Shelf life	min. 12 months
Colour	blue
Roll weight	approx. 15 kg
Area weight	approx. 2.0 kg/m <sup>2</sup>
Thickness	approx. 2 mm
Heat transfer resistance	0.01 m <sup>2</sup> K/W (R)**
Minimum application temperature	15 °C at ground level
Impact sound reduction	approx. 17 dB*
Fire class	Bfl-s1***

\*according to DIN 16 251-1, depending on floor covering

\*\*according to EN CEN/TS 16 354, see "Important Notes".

\*\*\*according to EN 13 501-1, without covering.



## EXTENDED APPLICATIONS:

- ▶ decoupling membrane\*
- ▶ under floating wood floor installations\*

\*Advice should be taken from Uzin Technical for extended applications.

## SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and free from materials (dirt, oil, grease) that would impair adhesion. 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. Cement and calcium sulphate screeds must be abraded and vacuumed. Any adhesion-reducing or unstable layers, e.g. release agents, loose adhesives, compounds, covering or paint residues, etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum loose material and dust. Depending on the type of substrate, suitable primers and levelling compounds can be found in the UZIN Product Guide. Dusty or absorbent substrates have to be primed with a suitable primer (e.g. UZIN PE 360 PLUS).

The datasheets for other used products have to be observed.

## APPLICATION:

### Installation of UZIN RR 620:

1. Allow the rolls to come to room temperature for at least 24 hours prior to the installation.
2. Lay out the sheet underlay, parallel with the proposed direction of the covering, with joints offset (min. 20 cm) and the self-adhesive side down. Then cut in (e.g. with a hooked knife blade). Cut roll ends if necessary. Leave a gap of several millimeters to all rising building elements.
3. Fold back half of the sheet and remove the protective film from the self-adhesive side. Lay the sheets precisely and rub/roll down thoroughly. Avoid creating air pockets in the adhesive. Then use the same procedure for the other half.

### Installation of the LVT on the underlay:

1. Use a suitable adhesive (see "Adhesive Data") and install the floor covering according to the manufacturer's recommendation and the product data sheet of the adhesive.

## CONSUMPTION:

Adhesive	Notch size	Open time*	Consumption*
UZIN KE 2000s	A 1/A 5	20 – 45 min.	200 – 280 g/m <sup>2</sup>
UZIN KE 66	A 2	5 – 10 min.	280 g/m <sup>2</sup>
UZIN KE 68	A 5	-	250 – 300 g/m <sup>2</sup>
UZIN KR 430	A 5	-	250 – 350 g/m <sup>2</sup>

## 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 m<sup>2</sup> 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 m<sup>2</sup>K/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”

## SEALS OF QUALITY & ECOLABELS:

- ▶ EMICODE EC 1 PLUS / Very low emission
- ▶ DE-UZ 156 / Environmentally friendly because of low emissions

## COMPOSITION:

Polyurethane bonded underlay with mineral fillers and 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:

All product residues are treated as normal construction waste.