Product Datasheet

Acoustic Grade LVT Underlay

UZIN RR 620

Self-adhesive, sound insulating underlay for the installation of LVT floor coverings

MAIN APPLICATION FIELD:

- prior LVT installation
- footstep sound insulation

SUITABLE ON / FOR:

- all level, absorbent and non absorbent substrates
- existing coverings, e. g. PVC / CV floor coverings, linoleum, stone and ceramic coverings
- coated substrates or similar
- suitable for residential and commercial locations
- exposure to castor wheels in accordance with DIN EN 12 529
- warm water underfloor heating systems

PRODUCT BENEFITS/FEATURES:

UZIN RR 620 is a self-adhesive underlay for the subsequent installation of LVT floor coverings. Improves the acoustic insulation and underfoot comfort. The fibreglass, load-distributing support layer of fleece increases the compressive strength.

- self-adhesive
- low height
- immediately ready for covering
- improves compressive strength
- sound insulating

TECHNICAL DATA:

Packaging	rolls
Sizes	approx. 1.0 m x 7.5 m = 7.5 m²
Shelf life	min. 12 months
Color	blue
Roll weight	approx. 15 kg (netto)
Area weight	approx. 2.0 kg/m²
Thickness	approx. 2 mm
Heat transfer resistance	0.01 m²K/W (R)**
Minimum application temperature	15 °C at ground level
Impact sound reduction	up to 14 dB*
Fire class	B_{fl}-s1 ***

*according to DIN 16 251-1, depending on LVT.
**according to EN CEN/TS 16 354, see "Important Notes".
***according to EN 13 501-1, without covering.

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UZIN RR 620

EXTENDED APPLICATIONS:

- decoupling membrane

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.

Type of Coating	Adhesive	Toothing	Flash-off time	Consumption
-	UZIN KE 2000 S	A1 / A5	20 - 45 min	200 - 280 g/m²
-	UZIN KE 16	A1 / A5	10 - 20 min	250 - 300 g/m²
-	UZIN KE 68	A5	-	250 - 300 g/m²
-	UZIN KR 430	A5	-	250 - 300 g/m²

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

IMPORTANT NOTES:

- Shelf life minimum 12 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.
- 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 above the underlay, that are suitable according to the manufacturer. Obtain application advice if in doubt.
- Chlorine-free and PUR-bonded LVT are not suitable for use on UZIN RR 620.
- 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.
- 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. Combined with the floor covering, the value of 0.15 m2K/W will be exceeded and, therefore, the efficiency of the underfloor heating may be reduced.
- The specified acoustic value is an approximate value determind under normal conditions. Due to the individual acoustics in each building and the used materials and compositions in each case the values can differ. To determinate the real acoustic value the measurement and its evaluation have to take place at real conditions.
- 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.
- 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.)

SEALS OF QUALITY & ECOLABELS:

- EMICODE EC 1 PLUS / Very low emission
- Blue Angel according to DE-UZ 156 / Environmentally friendly because of low emissions
- Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

COMPOSITION:

Polyurethane bonded underlay with mineral fillers and glass fibre fleece.

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

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.

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