Product Datasheet

Insulating and Stress-Relieving Underlay

UZIN MULTIMOLL SOFTSONIC 3 MM

Acoustically insulating, stress-relieving underlay with minimal thickness for bonded wood flooring

MAIN APPLICATION FIELD:

- decoupling
- footstep sound insulation
- creation of a substrate that is ready for covering

SUITABLE ON / FOR:

- calcium sulphate or cementitious screeds, concrete
- existing substrates requiring refurbishment, on well-bonded residues of adhesives or compounds
- new P4 - P7 or OSB 2 - OSB 4 boards, screwed
- existing ceramic and natural stone coverings, terrazzo or similar
- mastic asphalt screeds
- precast screeds, screed boards
- warm water underfloor heating systems
- suitable for residential and commercial locations

PRODUCT BENEFITS/FEATURES:

UZIN Multimoll Softsonic is a decoupling and insulating board with a resilient middle layer surrounded by a reinforcement fleece. The boards compensate for any shear and tensile forces between the substrate and the floor covering. The footstep and acoustic insulating properties improve the living comfort. For interior use.

- 3-in-1 function: decoupling, footstep and room sound insulation
- easy to install
- bridges cracks / hairline cracks
- better walking and living comfort

TECHNICAL DATA:

Packaging	carton
Sizes	carton with 16 plates = 6 m²
Shelf life	min. 36 months
Color	white / grey
Tile format	0.5 m x 0.75 m = 0.375 m²
Area weight	approx. 3.0 kg/m²
Thickness	approx. 3 mm
Thermal transmittance value	17.036 W/m²K**
Heat transfer resistance	0.0587 m²K/W**
Minimum application temperature	15 °C at ground level
Impact sound reduction	approx. 14 dB*
Buidling material class	B2 ***

*according to EN ISO 10 140-3:2010, tested with 2-layer wood flooring 11 mm, bonded with UZIN MK 250. See "Important Notes"

**according to DIN 52 616

***according to DIN 4102

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EXTENDED APPLICATIONS:

- increase of walking and living comfort
- prior to floating installation of wood flooring or laminate

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, cleanand free from materials (dirt, oil, grease) that would impair adhesion. Cement and calcium sulphate screeds must be abraded and vacuumed. Test the substrate in accordance with applicable standard or notices and report any deficiencies. 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. Strongly repair cracks in floating screeds. Sound hairline cracks can be covered, as long as there is no difference in height when loaded. Use a suitable primer and levelling compound from the UZIN Product Guide according to the type and condition of the substrate.

The datasheets for other used products have to be observed.

APPLICATION:

1. Allow the rolls to come to room temperature for at least 24 hours prior the installation.
2. Apply an event coat of adhesive onto the substrate using a suitable notched trowel. Do not apply more adhesive than can be laid with good transfer onto the back of the boards within the working time.
3. Please ensure that the installation direction of the UZIN Multimoll Softsonic boards is at rightangles to the proposed direction of the wood flooring. Cut the boards. Leave a gap of at least 3 mm to all rising building elements.
4. Install the sheets quickly and press down over the whole surface area with glide roller or rubbing block.
5. Depending on the type of adhesive, the installed underlay is ready for wood flooring installations after 12 - 24 hours.

Wood flooring installation on UZIN Multimoll Softsonic:

Install the wood flooring with the same adhesive that has been used for installing UZIN Multimoll Softsonic on the substrate and with a B11 notched trowel.

Loose installation of UZIN Multimoll Softsonic:

For floating wood flooring or laminate flooring, lay out and cut in the UZIN Multimoll Softsonic with the print upside. Leave a gap of at least 3 mm to all rising building elements.

ADHESIVE/CONSUMPTION DATA:

Type of Coating	Adhesive	Toothing	Drying	Consumption
Wood flooring with tongue and groove	UZIN MK 250	B3 / B11	-	1000 - 1200 g/m²
	UZIN MK 200		-	
	UZIN MK 92 S		-	
	UZIN MK 95		-	

Consumption: At 20 °C and 65% relative humidity, with tempered adhesive buckets.

IMPORTANT NOTES:

- A shelf life of 36 months when stored flat, in moderately cool and dry conditions. Frost-resistant down to -25 °C.
- 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.
- The specified acoustic value is an approximate value determind 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 determinate 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. 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 choice of the adhesive depends on the type of wood flooring that should be installed on the underlay. The datasheets of the wood flooring adhesives used have to be observed.
- 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.
- Mastic asphalt screeds must be well-gritted with a sufficiently wide and continous edge joint. Obtain technical advice with old mastic asphalt screeds.
- Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)

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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:

Mineral fillers and polyurethane binder with bonded fleece on both sides

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

The product itself does not require any special labour protection measures. 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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