

Insulating and Stress-Relieving Underlay

UZIN Multimoll Softsonic 3 mm

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

Description:

Acoustic insulating and stress-relieving sheet underlay for solid wood flooring, multi-ply wood flooring and laminate flooring. For adhered installation under bonded solid and pre-finished wood flooring, or for loose installation under laminate or pre-finished wood flooring laid as a floating floor system.

Suitable on:

- ▶ concrete substrates
- ▶ all types of screed that conform to standards
- ▶ reaction resin screeds
- ▶ mastic asphalt screeds
- ▶ pre-finished screed sections
- ▶ screeds at risk of cracking
- ▶ warm water underfloor heating systems
- ▶ floorboards, chipboards
- ▶ old stone and ceramic flooring
- ▶ mixed surfaced finishes

Suitable for use in domestic and commercial locations, in new-build, especially in renovation and refurbishment projects and on substrates with poor acoustic insulation.

Product Properties / Benefits:

Sheet underlay made from a special, flexible, acoustic insulating, central layer with a reinforcement fleece bonded on both sides. Compensates any shear- and pull- forces between the substrate and the wood flooring. Bridges cracks. In wood flooring installations, considerably reduces impact- and ambient- sound. Combines underfoot- and ambient- comfort with technically functional reliability, therefore ideal for renovation / refurbishment.



- ▶ Easy to cut with a trimming-knife
- ▶ Minimal overall thickness, approx. 4 mm inc. adhesive
- ▶ 3-in-1 function: stress-relieving, impact sound insulation and acoustic insulation
- ▶ Water vapour permeable and breathing action
- ▶ Bridges cracks / hair-line cracks
- ▶ Neutral odour and harmless to health
- ▶ Increases underfoot- and ambient- comfort
- ▶ EMICODE EC 1 PLUS / Very low emission

Technical Data:

Material:	mineral fillers and polyurethane binder with bonded fleece on both sides
Dimensions:	75 x 50 cm = 0.375 m ² /piece
Thickness:	approx. 3 mm
Packaging Unit / Carton:	6 m ² = 16 boards
Packaging Unit / Pallet:	30 cartons = 180 m ²
Weight by area:	3.0 kg / m ²
Colour:	white marbled
Fire classification – product only:	B2 in acc. with DIN 4102
TTR*:	0.0587 m ² K/W in acc. with DIN 52 616
AIV** in acc. with DIN EN ISO 10 140:	bonded: 14 dB with wood flooring

* TTR = Thermal Transfer Resistivity without covering

** AIV = Acoustic Improvement Value of 14 dB, tested with multi-ply wood flooring 11 mm, bonded with 1-Component Premium STP Wood Flooring Adhesive UZIN MK 250.

Substrate Preparation:

The subfloor must be enough level, sound, free from cracks, dry, clean and free from materials that would impair adhesion. Cement- and calcium sulphate-screeds must be abraded and vacuumed. Test the subfloor in accordance with applicable standards and notices and report any deficiencies. Mechanically remove any soft or weakly bonded areas. Strongly repair cracks in floating screeds. Sound hair-line cracks can be covered, so long as there is no levels difference under loading. Where there is a risk of rising moisture, surface seal cement-based substrates with UZIN PE 460/ PE 480 covered. Mechanically clean, vacuum and prime uneven surfaces as appropriate. Use primer to suit the wood flooring adhesive. Prime and prepare uneven surfaces as necessary. Select suitable primer and smoothing compound from the UZIN Product Guide according to the type of substrate. Mechanically clean, vacuum and prime adequately level, sound substrates using the UZIN primer prescribed for the adhesive. Refer to the Product Data Sheets for the other products used.

Application:

For bonding the UZIN Multimoll Softsonic, the following UZIN wood flooring adhesives are suitable:

- ▶ 2-component PU Wood flooring Adhesive UZIN MK 92 S
- ▶ 1-component PU Wood flooring Adhesive UZIN MK 95, before bonding multi-ply wood flooring
- ▶ 1-component STP Wood flooring Adhesive UZIN MK 200 and UZIN MK 250, before bonding of multi-ply wood flooring

Bonding the UZIN Multimoll Softsonic:

1. Using notched trowel B 3, apply adhesive onto the substrate up to a guide- or chalk- line. Lay the boards into the fresh adhesive with the printed side uppermost and in a brick-bond formation. Cut in edges and immediately press down over the whole surface area with a glide-roller or rubbing block. Leave a gap of 3 mm against all structures. Please ensure that the installation direction of the UZIN Multimoll Softsonic boards is at right-angles to the proposed direction of the wood flooring.
2. Do not exceed the working time and ensure good adhesive transfer to the underside.
3. Depending on type of adhesive, the installed underlay is ready for wood flooring installation after 12 – 24 hours.

Bonding the wood flooring onto UZIN Multimoll Softsonic:

Apply the UZIN wood flooring adhesive onto the UZIN Multimoll Softsonic with trowel notch B 11. Lay the wood flooring into the adhesive bed and press well down. Observe the working time. Ensure the best possible adhesive transfer to the underside of the wood flooring.

Loose installation of UZIN Multimoll Softsonic:

For floating wood flooring or laminate flooring, lay out and cut in the UZIN Multimoll Softsonic with the printed side uppermost. Leave a gap of min. 3 mm against all fixtures.

Adhesives / Consumption:

For bonding UZIN Multimoll Softsonic, the following are suitable:

UZIN MK 92 S: 2-component PU Wood flooring Adhesive: For UZIN Multimoll Softsonic, use trowel notch B 3, approx. 1 kg/m². For wood flooring, use trowel notch B 11, approx. 1 – 1.2 kg/m².

UZIN MK 95: 1-component PU Wood flooring Adhesive: For UZIN Multimoll Softsonic, use trowel B 3, approx. 1 kg/m². For wood flooring, use trowel notch B 11, approx. 1 – 1.2 kg/m². UZIN MK 95 is for use only with tongue-and-groove wood flooring.

UZIN MK 250: 1-component Premium STP Wood Flooring Adhesive: For UZIN Multimoll Softsonic, use trowel B 3, approx. 1 kg/m². For wood flooring, use trowel notch B 11, approx. 1 – 1.2 kg/m². UZIN MK 250 is for use only with tongue-and-groove wood flooring.

UZIN MK 200: 1-component STP Wood flooring Adhesive: For UZIN Multimoll Softsonic, use trowel B 3, approx. 1 kg/m². For wood flooring, use trowel notch B 11, approx. 1 – 1.2 kg/m². UZIN MK 200 is for use only with tongue-and-groove wood flooring.

Important Notes:

- ▶ Shelf life minimum 3 years when stored flat in dry conditions.
- ▶ Do not use in exterior or wet locations.
- ▶ On underfloor heating systems, the floorings to correspond to the specifications of DIN EN 1264.
- ▶ Observe the generally acknowledged rules of the trade and technology for the installation of wood flooring as well as the respective applicable standards (e.g. EN, DIN, VOB, OE, SIA, etc.). The following standards and bulletins, amongst others, represent supporting information and are recommended for special attention.
 - DIN 18 356 "Working with wood flooring", Ö-Norm B 2218
 - TKB publication "Bonding of wood flooring"
 - Technical bulletin of the Central Association of the German Building Construction Trade (ZDB) "Resilient floor covering, textile floor covering and wood flooring on heated under-floor constructions"
 - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
 - BEB publication "Assessment and preparation of substrates"

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. EMICODE EC 1 PLUS – very low emission. Within the scope of current knowledge, gives off no emissions of formaldehyde, hazardous materials or volatile organic compounds (VOC). When fully dried, has a neutral odour and presents no physiological or ecological risk.

Disposal:

All product residues are treated as normal construction waste.