

Stress-Relief Board

UZIN MULTIMOLL TOP 4

Stress-relieving underlay for subsequent installation of wood flooring or floor covering

MAIN APPLICATION FIELD:

- ▶ decoupling
- ▶ creation of a substrate that is ready for covering
- ▶ subsequent installation of wood flooring
- ▶ subsequent installation of textile- and resilient-floor coverings after smothering

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 (obtain technical advice)
- ▶ suitable for residential commercial and industrial locations, e.g. hospitals, shopping malls



PRODUCT BENEFITS/FEATURES:

UZIN Multimoll Top 4 is a multi-ply board, that relieves and compensates shear and tensile forces therefore protecting the substrate and the floor covering. The decoupling boards are easy to use and install. For interior use.

- ▶ universal use
- ▶ relieves tensions
- ▶ low installation height
- ▶ easy installation



TECHNICAL DATA:

Packaging	carton, pallet
Sizes	carton: 15 plates = 9 m ² palett: 250 plates = 150 m ²
Shelf life	min. 36 months
Color	white / grey
Tile format	0.6 m x 1.0 m = 0.6 m ²
Area weight	approx. 2.8 kg/m ²
Thickness	approx. 4 mm
Thermal transmittance value	23.81 W/m ² K (U)**
Heat transfer resistance	0.042 m ² K/W (R)**
Minimum application temperature	15 °C at ground level
Buidling material class	B2***
Traffic load absorption	approx. 3 kN/m ² *

*Depending on the flooring also higher, if necessary obtain technical application advice.

**according to DIN EN 12 667

***according to DIN 4102



EXTENDED APPLICATIONS:

- height compensation on existing substrates

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and 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. Use a suitable primer from the UZIN Product Guide according to the type and condition of the substrate. Allow any primer that is applied to dry completely.

The datasheets for other used products have to be observed.

APPLICATION:

1. Allow the boards 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. Install the boards, with inscription facing up, connected and avoid cross joints. Cut the board with a knife or a saw. Leave a gap of at least 5 mm to all rising building elements on mineral substrates, leave approx. 15 mm on wooden substrates.
4. Install the sheets quickly and press down over the whole surface area with a heavy pressure roller.
5. Depending on the type of adhesive, the installed underlay is ready for wood flooring installations after 12 - 24 hours.

Wood flooring installation:

Install the wood flooring with the same adhesive that has been used for installing UZIN Multimoll Top 4 on the substrate.

Floor covering installation:

1. Prime the boards with UZIN PE 630 or UZN PE 650.
2. Smooth the area with a suitable UZIN self levelling compound minimum 3 mm and allow to dry completely.
3. Install the floor covering with a suitable UZIN adhesive.

ADHESIVE/CONSUMPTION DATA:

Type of Coating	Adhesive	Toothing	Drying	Consumption
	UZIN MK 250	B11/B3		1000 - 1200 g/m ²
	UZIN MK 200	B11/B3		1000 - 1200 g/m ²
	UZIN MK 180 T	B11/B3		1000 - 1200 g/m ²
	UZIN MK 92 S	B11/B3		1000 - 1200 g/m ²
	UZIN MK 95	B11/B3		1000 - 1200 g/m ²

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.
- 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.
- Expansion, movement and perimeter joints in the substrate must be reflected through to the surface. Fit UZIN Foam Expansion Strips to any adjacent, vertical structures to prevent the ingress of the compound into the joints. For thicknesses over 5 mm foam expansion strips are necessary in general. On wooden substrates the foam expansion strip must be removed completely after installation.
- 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 continuous 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.)

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:

Compressed synthetic fibre blend covered with 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.