

## Stress-relief board

# UZIN Multimoll Top 4

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

### MAIN APPLICATION FIELD:

Stress-relief board, 4 mm thick, as stress-relieving layer under wood flooring and floor covering. For stress-relief or height compensation of new substrates or unfavourable / problematic subfloors such as somewhat deformed or cracked substrates. For interior use.

### PRODUCT BENEFITS/FEATURES:

- ▶ Height compensation of existing substrates
- ▶ Impact sound absorption
- ▶ on cementitious screeds, calcium sulphate screeds or concrete
- ▶ on old substrates with firmly adhering compound and adhesive layers
- ▶ on new, firmly screw-fixed chipboard P4 – P7 or OSB 2 – OSB 4 panels
- ▶ on mastic asphalt
- ▶ on precast screeds, gypsum fibre boards
- ▶ on warm water underfloor heating (please consult UZIN Technical)
- ▶ for high wear in residential, commercial and industrial areas, e.g. in hospitals, shopping malls, etc.

### SUITABLE ON / FOR:

- ▶ Stress-relief
- ▶ Fabricating a substrate ready for covering



### PRODUCT BENEFITS/FEATURES:

UZIN Multimoll Top 4 is a multi-ply board relieving shearing and tensile forces by its own matter and thereby protecting both the substrate and the top floor. The installation of UZIN Multimoll Top 4 not only provides a stress-relieving effect but also compensates for height differences. Thanks to consistent ongoing development the installation and smooth-out properties of UZIN Multimoll Top 4 were significantly improved.

- ▶ Universal use
- ▶ Stress-relieving
- ▶ Low build-up height
- ▶ Suitable for height compensation
- ▶ Easy to process

### TECHNICAL DATA:

▶ Improves living and walking comfort	
▶ Emission class: EN 15663 Class 1	
▶ RAL-EC 1 PLUS / very low emission	
▶ RAL-UZ 156/Environmentally compatible because of low emission	
Size	156 cm x 106 cm
Shelf life	min. 24 months
Colour	white / grey
Tile format	0.6 m x 1.0 m = 0.6 m <sup>2</sup>
Area weight	approx. 2.8 kg/m <sup>2</sup>
Thickness	approx. 4 mm
Thermal transmittance value	23.81 W/m <sup>2</sup> K (U)*
Heat transfer resistance	0.042 m <sup>2</sup> K/W (R)*
Minimum application temperature	15 °C at ground level
Building material class	B2**
Traffic load absorption	approx. 5 kN/m <sup>2</sup>

\*according to DIN EN 12 667

\*\*according to DIN 4102



## SUBSTRATE PREPARATION:

The substrate must be sound, plane, dry, free from cracks, clean and free from materials (dirt, oil, grease), that would impair adhesion. Test the substrate in accordance with applicable standards and bulletins and report any deficiencies. Cement and calcium sulphate screeds must be abraded and vacuumed off. Remove unstable layers that would reduce adhesion, e.g. by brushing off, abrading, grinding or shotblasting. Thoroughly vacuum loose material and dust. Use a suitable primer from the UZIN Product Guide according to the type and condition of the substrate. The product data sheets of the other products used must be observed.

## APPLICATION:

1. Apply adhesive uniformly with suitable notched trowel (see "adhesive / consumption data") onto the substrate. Do not apply more adhesive to the substrate than can be laid with good wetting of the back of the board within the working time.
2. Install boards in combination and avoid cross joints. Cut boards to size with utility blade, jig saw (fine wood blade) or circular saw. For mineral substrates observe a distance of approx. 5 mm, for wooden substrates approx. 15 mm to all vertical structures.
3. Place boards right away in the fresh adhesive bed and roll-out with a heavy segmented roller or press down over whole area using a rubbing strip.
4. Installed board areas are ready for covering – depending on the adhesive – after 12 – 24 hours.

### Wood flooring installation:

1. Install wood flooring using the same adhesive as with the UZIN Multimoll Top 4 installation.

### Installation of floor covering:

1. Prime with UZIN PE 630.
2. Smooth surface with suitable UZIN self-levelling compound and allow to dry well.
3. Install floor covering with suitable UZIN adhesive.

## CONSUMPTION:

Adhesive	Notch size	Consumption
UZIN MK 250	B11	1000 – 1200 g/m <sup>2</sup>
UZIN MK 92 S	B11	1000 – 1200 g/m <sup>2</sup>

## IMPORTANT NOTES:

- ▶ Shelf life of original pack at least 24 months when stored horizontally under moderately cool and dry conditions. Frostresistant to – 25 °C.
- ▶ Optimum working at 18 – 25 °C, floor temperature above 15 °C and relative humidity below 65%.
- ▶ On underfloor heating floor covering should not exceed HTR of 0.15 m<sup>2</sup> K/W according to DIN EN 1264. The HTR of the double-layer underlay /floor covering is derived as some of their individual HTR values.

- ▶ Expansion, movement and perimeter joints in the substrate must be adopted. Fit UZIN Foam Expansion Strips to any adjoining rising structures to prevent ingress of the compound into the connection joints. Expansion strips are generally necessary for thicknesses over 5 mm. On wooden substrates the expansion strip must be completely removed after levelling work.
- ▶ 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.
- ▶ Mastic asphalt screeds must be well sanded and exhibit a continuous and sufficiently wide perimeter joint. Obtain application consulting for old mastic asphalt screeds.
- ▶ Ensure solid drying of the companion products, such as primers, levelling compounds, etc.
- ▶ Observe the generally acknowledged rules of the trade and technology for the installation of floor covering or wood flooring as well as the respective applicable national standards (e.g. EN, DIN, VOB, Austrian Ö-Norm, SIA, etc.). The following standards and bulletins, amongst others, represent supporting information and are recommended for special attention:
  - DIN 18 365 "Working with floor covering", Ö-Norm B 2236
  - DIN 18 356 "Working with wood flooring", Ö-Norm B 2218
  - DIN 18 352 "Tile and slab work"
  - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
  - BEB publication "Assessment and preparation of substrates"
  - TKB publication "Technical description and processing of cementitious floor levelling compounds"
  - 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"

## SEALS OF QUALITY & ECOLABELS:

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

## 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.