

## UNITOP DECOUPLING BOARD



- > stress-reducing underlay
- > reduces impact noise
- > safer on problematic substrates
- > very low emission - EC1-PLUS

### Product description

Stress-relieving decoupling and impact sound reducing board for ceramic tiles and natural stone, as well as for parquet and multi-layered parquet especially for problem substrates indoors.

The Unitop decoupling board is a very low emission laying material (according to GEV), breakproof and rot-resistant. Can be used as decoupling and impact sound reducing board on wall and floor surfaces under various surfacing materials (ceramic tiles and natural stone, parquet as well as multi-layered parquet) for loads of up to 5 kN/m<sup>2</sup>. For ceramic tiles and natural stone with a material thickness of less than 10 mm as well as for any surfacing formats of less than 10 x 10 cm smoothing with a fibre-reinforced filler (min. 3 mm layer thickness) is required.

#### Delivery method:

Container	Outer packaging	Pallet
/ pcs.		200 pcs.
/ pcs.		100 pcs.
/ pcs.		60 pcs.

#### Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: unlimited shelf live

### Processing

#### Processing:

In combination with ceramic coverings and natural stone:

apply the flexible adhesive mortar (C2, S1) to the prepared substrate with a suitable toothed trowel (4 or 6 mm). Place the Unitop decoupling board onto the adhesive before it has set and tap or rub it in. The Unitop decoupling boards must be installed over their entire area without cavities. Make sure that no cross joints occur during installation. Expansion joints should be applied to adjacent ascending structures (incl. edge insulating strips). Lay the surface covering (natural stone or ceramic) with flexible adhesive mortar (C2, S1) suitable for each material according to the technical rules using the thin bed process. Important for impact noise minimisation: no connections may occur between the joint edges of the individual adjoining Unitop decoupling boards. Edge insulation strips are to be applied to adjacent structures.

In combination with parquet and laminate floors:

Apply suitable parquet adhesives such as PU 566, LE 555, MS-K530, MS-K511, MS-K88 to the prepared substrate with a suitable trowel toothing (B1, B2, B3, PK) depending on substrate and manufacturer's instructions. Place the Unitop decoupling board in the adhesive bed and tap or rub in with a suitable tapping plank. After a drying time (product- and temperature-dependent) of 6-24 hours of the parquet adhesive used, apply parquet adhesive of the same system with suitable toothing depending on the parquet type (B2,

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## Tiling System

B3, PK) to the Unitop decoupling board and lay the parquet to be glued. Important for impact noise reduction: no connections may occur between the joint edges of the individual adjoining impact noise reducing elements. Edge insulation strips are to be applied to adjacent structures.

## Technical data

Colour	white
Format	60 x 120 cm
Tolerances	Cut: +/- 1.0 mm      Thickness: +/- 0.5 mm

## Test certificates

### Tested according to (standard, classification ...)

Impact noise reduction according to DIN EN ISO 140-8 in conjunction with flexible adhesives(C2, S1) on raw screed - surface covering tiles glued with flexible adhesives.

Impact noise reduction according to DIN EN ISO 140-8 in conjunction with elastic parquet adhesives like Murexin X-Bond adhesives on raw screed - surface covering solid wood strip parquet also glued with elastic parquet adhesives.

## Substrate

### Suitable substrates:

Concrete  
Cement screed  
Anhydrite screed  
Mastic asphalt  
Plaster  
Lime-cement plaster  
Masonry  
Gypsum plasterboard,  
Gypsum plasterboard  
Smooth concrete  
Aerated concrete  
Wooden materials

Suitable on all standard substrates as well as on old tile and natural stone flooring, adhesive concrete block flooring, mastic asphalt, dry screeds, chipboard, metal, glass etc. on old substrates with adhesive mortar layers as well as on conventional cement and calcium sulphate screeds. 4 mm Unitop decoupling board is recommended on heating screed; other thicknesses can also be used but may lead to greater loss of efficiency of the underfloor heating system. Electric underfloor heating can also be glued directly to the boards.

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts, and it must comply with the applicable technical national and European directives, standards and "generally accepted rules of the trade".

### Substrate pretreatment:

The substrate is to be pretreated according to the relevant current standards, possibly with pre-coatings and filling. Murexin products are recommended for pretreatment. All substrates are to be sanded, wiped and

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cleaned.

### Product and processing instructions

#### Material information:

- When working outside the ideal temperature and/or humidity range, the material properties may change significantly.
- Temper materials accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or thinning specifications must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within a batch.
- The colouring is significantly influenced by the environmental conditions.

#### Environmental information:

- Do not process at temperatures below + 5 °C!
  - The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
  - The ideal relative air humidity range is between 40% to 60%.
  - Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.-
- Ensure sufficient ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
  - Protect adjacent components!

Tips:- We recommend using a test surface first or a small area for initial, small-scale testing.- Observe the product data sheets of all MUREXIN products used in the system.- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

### Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).