

THERMO-TOP DECOUPLING BOARD



- > rapid, even heat distribution
- > stress-reducing underlay
- > safer on problematic substrates
- > very low emission - EC1-PLUS

Product description

Stress-relieving heat distributing and decoupling board for ceramic tiles and natural stone, as well as for parquet, multi-layer parquet and laminate especially for rapid and even heat distribution over underfloor heating system and also for problematic substrates. The thermo-top heat distributing and decoupling board is a very low emission laying material (acc. to GEV), breakproof and rot-resistant. Can be used as heat distribution and decoupling board on wall and floor areas indoors under many covering materials (ceramic tiles and natural stone, parquet, multi-layer parquet and laminate) for traffic loads of up to 5 kN/m². For ceramic tiles and natural stone with a material thickness of less than 10 mm as well as for any covering formats less than 30 x 30 cm, filling is required with a fibre-reinforced filler (min. 3 mm layer thickness).

Delivery format:

Container	Outer packaging	Pallet
400 Pcs. / Pcs.		400

Storage:

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

Processing

Recommended tools:

Sharp knife, jigsaw or circular saw.

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 thermo-top heat distribution and decoupling board onto the adhesive before it has set and tap or rub it in. The thermo-top decoupling boards must be installed without cavities over their entire area. 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) in thinbed

process with flexible adhesive mortar for the laying material (C2, S1) according to the technical rules.

In combination with parquet and laminate floors:

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Tile laying technology

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 manufacturers instructions. Place the thermo-top heat distribution and 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 parquet type (B2, B3, PK) to the thermo-top heat distribution and decoupling board and lay the parquet to be glued.

Technical data

Fire class	E (EN 13501)
Material thickness	2 mm
Compressive strength	72 kN/m ² (EN 826)
Colour	white
Weight	approx. 1 kg/m ²
Crack bridging	1,34 mm
Format	60 x 120 cm
Tolerances	Cut: +/- 1.0 mm Thickness: +/- 0.3 mm

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. Also suitable for hot water underfloor heating systems with too low covering.

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".

Tile laying technology

Suitable substrate pre-treatment:

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 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.