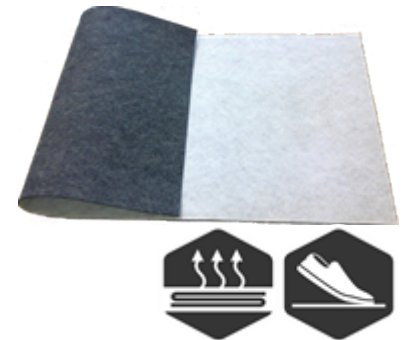


ACOUSTIC TOP NOISE REDUCING AND DECOUPLING BOARD



- > highly impact noise reducing
- > stress-decoupling composite layer
- > safer on problematic substrates

Product description

Maximum impact noise reduction and stress-relieving - achieved by multi-layer sandwich construction (special rubber mat integrated) - Decoupling board for ceramic tiles, as well as for parquet and multi-layer parquet especially for problematic substrates. Can be used for decoupling and impact noise reduction board under ceramic coverings on wall and floor areas (for traffic loads up to 3 kN/m²) indoors, both for new builds as well as especially in renovation area. Also suitable for the laying of parquet and laminate floors on all standard substrates, as well as bonded old tile and natural stone coverings, old substrates with bonded adhesive and fillers, mastic asphalt, dry screeds and chipboard. For ceramic tiles with a material thickness of less than 10 mm and natural stone with a material thickness of less than 15 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
200 Pcs. / Pcs.		200

Storage:

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

Processing

Recommended tools:

Sharp knife, jigsaw or circular saw, angle grinder (diamond cutting disks).

Processing:

In combination with tile laying:

Acoustic system -15 dB (flexible adhesive mortar): Apply the suitable flexible adhesive mortar (C2, S1) to the prepared substrate with a toothed trowel. Place the acoustic top impact noise and decoupling board onto the adhesive before it has set and tap or rub it in.

Acoustic system -17dB (WL 730 fixing dispersion): Evenly and fully apply the fixing dispersion WL 730 to the prepared substrate with a foam roller. Leave to dry for 30-60 minutes, depending on the substrate and room climate, until the fixing has dried transparently. Then insert the acoustic top impact noise and decoupling board and smooth.

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Tile laying technology

Further: The acoustic top impact noise and decoupling boards must be installed without cavities over the entire area. Make sure that no cross joints occur during installation. Expansion joints are to be formed with the adjacent ascending structures (RS 50 self-adhesive edge insulation strips, among others).

Lay the surface covering (natural stone or ceramic) using the thin bed process (flexible adhesive mortar; C2, S1) according to the technical rules.

Laying recommendation with parquet adhesives:

Apply parquet adhesive to the prepared substrate with a notched trowel (B1, B2, B3). Insert acoustic top in the adhesive bed and rub in with tapping board. After drying (product and temperature-dependent), apply the same adhesive to the acoustic top board with a suitable trowel toothing (B1, B2, B3) and then insert the parquet floor to be laid with light pushing movements.

Important for impact noise reduction

There may not be any connection between the joint edges of the individual neighbouring acoustic top impact noise and decoupling boards. Self-adhesive RS 50 edge insulation strips are to be applied to adjacent structures. The joints which occur on the surface of the boards must be covered with standard adhesive tapes.

Technical data

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

Material thickness:	approx. 4 mm
Weight:	approx. 3.1 kg/m ²
Crack bridging:	1.45 mm
Thermal conductivity (EN 12667):	0.069 W/mK
Thermal resistance (EN 12667):	0.058 m ² /KW
Heat transfer coefficient (EN 12667):	17.24 W/m ² K
Compressive strength (EN 826):	475 kPa
dynamic stiffness (EN 29052-1):	270 MN/m ³
Water vapour diffusion resistance factor (μ):	3814
Fire behaviour (EN 13501-1):	E
Impact sound reduction - tile adhesive (glued to the substrate with tile adhesive):	EN ISO 140-8 approx. 15 dB
Impact sound reduction - fixing dispersion WL 730 (laid on substrate with fixing dispersion):	EN ISO 140-8 approx. 17 dB

Substrate

Suitable substrates:

Concrete
Cement screed
Anhydrite screed
Mastic asphalt
Plaster
Lime-cement plaster

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Tile laying technology

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.

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".

For a perfect system

Description:

Murexin fixing dispersion WL 730

Murexin flexible adhesive mortar (C2, S1), e.g. Flex adhesive mortar grey KGF 65

RS 50 self-adhesive edgeinsulation strips

Suitable parquet adhesives:

PU adhesive PU 566 adhesive

parquet adhesive X-Bond MS-K 577

X-Bond MS-K 511

X-Bond MS-K88

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 advice:

- 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 air relative 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.

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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.