

weber.sys 832

Impact sound insulation and de-coupling board

Impact sound insulation and de-coupling board for surfaces with high traffic loads

Fields of application

weber.sys 832 is suitable for laying directly under ceramic coverings on timber substrates, concrete and screed surfaces, well-fixed old tiles and natural stones, heated screeds with water-bearing underfloor heating (only with 4 mm board) and mixed substrates.

Suitable for use with traffic loads up to 5 KN/m².

Furthermore, for use as heat-insulating intermediate layer on timber structures and in renovation areas, on poorly insulated substrates in old and new buildings.

Description

weber.sys 832 is an impact sound insulation and de-coupling board.

Composition

Synthetic fiber with coating on both sides

Main features

- **EMICODE EC 1 PLUS**: very low emission of volatile substances
- for indoors
- for walls and floors
- improvement of foot impact sound insulation up to 11 decibels
- high compressive strength
- suited for traffic loads up to 5 KN/m²
- for height compensation
- suitable on young screeds after 2nd till 7th day following their application
- size 100 x 60 cm
- thicknesses 4 mm, 9 mm and 15 mm

Technical values

| | |
|--|--------------------------|
| Ready for covering: | after drying of adhesive |
| Improvement of foot impact sound insulation (ISO 140 – 8): | up to 11 decibels |
| Thermal conductivity: | 0.1 W/mK |
| Reaction to fire: | class E (DIN 4102) |

Quality control

weber.sys 832 is subject to a regular quality control.

General notes

- Take over existing separation joints and connection joints in the substrate also in the boards and in the top covering at the same place.
- The improvement of the impact sound insulation (according to DIN ISO 140 - 8) has been measured in our laboratories and external test institutes. The actual impact sound improvement level always depends on the specific site conditions; if in doubt, carry out acoustic measurement tests on trial areas.
- Follow the national guidelines/standards; if not issued and if necessary, refer to the current ZDB leaflets bulletins and the relevant guidelines.

Special notes

- Young and load-bearing cement screeds can be covered between 2nd and 5th day after their application.
- For weight distribution use tiles in a size of minimum 15 x 15 cm and maximum 60 x 60 cm or 100 x 60 cm on top of weber.sys 832. As a rule, only use tiles with high tensile strength and a thickness of at least 8 mm.
- In case of heated screeds use weber.sys 832 in a thickness of 4 mm.
- In case of wooden substrates use weber.sys 832 in a minimum thickness of 9 mm.
- For the use in wet-duty rooms refer to instructions under "Application".

Substrate preparation

- The substrate must be sufficiently load-bearing, clean, dry and vibration-free.
- If necessary, level out concrete floors and screeds with a suitable smoothing mortar in accordance with the requested thickness, e.g. weber.plan 813-25 (1 - 25 mm).
- Remove chalking paints as well as solid lacquer and dispersion paints mechanically.
- Anhydrite (calcium sulphate) flow screeds must be ground with sandpaper (grain size 16), dust-vacuumed and treated with the primer weber.prim 801.
- Wooden surfaces (treated timber planks and OSB boards) must be strongly connected with the substrate; if necessary, fasten them with woodscrews in interval of max. 40 cm. All joints between the beams must be bonded to each other with an appropriate timber glue. Use the bonding primer weber.prim 803 on all wooden substrates.
- Absorbent substrates: use the primer weber.prim 801 or 802.
- Non-absorbent, smooth substrates (for ex. old tiles etc.): use the primer weber.prim 803. Well-bonded old vinyl plates must be degreased or roughened, prior to primer application. Well-bonded old reactive resin coatings must be roughened (up to the "white break") and primed afterwards.
- All walls and upstands (pillars, columns, pipes etc.) within the floor should be separated with a 10-mm insulation foam strip in order to avoid sound transfers; it must reach downwards from the substrate up to the upper edge of the final floor covering.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Gluing of weber.sys 832

- **Glue weber.sys 832 with the flexible cement-based tile adhesive weber.xerm 860 F (flow-grade) onto the prepared substrate.**
- The adhesive mortar is evenly applied to the substrate with a notched trowel (notch size 6 mm or 8 mm toothing) and the insulation board is uniformly pressed into the adhesive.
- Carefully lay the boards butt-like and leave the edges without glue. Cross joints must be avoided.
- In case of height differences in the transition areas between rooms, protect the board edges with a brass or aluminium end bar and glue them onto the leg of the end bracket.
- Cover the butt joints between the boards with masking tape in order to avoid sound transfers within the surface.
- Use a carpet knife for cutting the boards in 4 mm thickness to size. For thicker boards, a jigsaw or an angle grinder with adjustable speed and diamond cutting disc is recommended.

Laying of ceramic tiles

- Wait at least 3 hours till the adhesive for the boards has thoroughly dried.
- **Fix the ceramic coverings with the flexible and quick-setting cement-based tile adhesives weber.xerm 860 F (flow-grade) on floors and weber.xerm 859 F on walls.**
- For fixing translucent natural stones sensitive to discolouration use the white, quick-setting and flexible adhesive weber.xerm 864 F with high crystalline water retention, in the thin- and medium bed-method. Natural stones must be always fixed hollow-free, i.e. by the buttering-floating method (application on the substrate and also on the backside of tiles or slabs).
- Apply a contact coat on the substrate with the smoothing trowel and comb down a uniform adhesive bed with the notched trowel at an angle of 45° - 60°.
- Before a skin starts to form (check the tackiness of combed down tile adhesive with the finger) slide the tiles into the fresh mortar bed with a slight twisting motion and press down.
- Scratch out the joints before the tile adhesive hardens.
- Remove fresh mortar residues using a wet sponge.
- Once the tile adhesive has hardened, after 3 hours at the earliest, use the grouts weber.fug 877 or 875 F for the joints, depending on type of tiles.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Application in wet-duty rooms

- For use of weber.sys 832 in wet-duty rooms we recommend the 2-comp. quick-setting reactive compound weber.xerm 844 as waterproofing layer and as tile adhesive.
- Beforehand apply the primer weber.prim 801 directly onto weber.sys 832.
- Once the primer has dried, proceed as described above.

Practical information

Size:

100 x 60 cm = 0.60 m²/board

Thicknesses:

4 mm, 9 mm and 15 mm

Tools:

Carpet knife, cutting jigsaw or angle grinder

Storage:

The product can be stored at least 24 months in its original unopened packaging, if kept dry.

Consumption

approx. 1.05 m²/m²

Packagings

| Type | Sales unit | Number / euro-pallet |
|------------------------------------|--|----------------------|
| Cardboard box (boards of 4 mm) | box of 8 boards (= 4.8 m ²) | 200 boxes |
| Cardboard box (boards of 9 mm) | box of 8 boards (= 4.8 m ²) | 100 boxes |
| Cardboard box (boards of 15 mm) | box of 8 boards (= 4.8 m ²) | 60 boxes |

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.