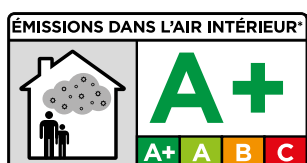




STEPBOARD

Polyester fibred, step sound and neutralizing insulation board

- Thickness: 4 mm, 9 mm and 15 mm
- Stable form
- Highly pressurised
- Environment friendly
- Protected against rotting
- Sound barrier protection up to 29 dB (acc. To DIN 52210)



TECHNICAL DATA:

STEPBOARD is a simple to handle, high pressure, secure neutralizing and renovation board with excellent stepping sound and atmospherical insulating qualities.

AREAS OF APPLICATION:

STEPBOARD can be applied as a permanent solution for the reducing of step sound, to be insulated under ceramic tiles and slabs, natural stone, cast stone, parquet and laminate flooring for interior applications. 9 mm and 15 mm thick STEPBOARDS are suitable for the correct laying of professional insulation boards on Wooden floors of load carrying capacity, such as lobbies, parquet and chipboard. 4 mm STEPBOARDS are suitable for heated flooring (without results of heat loss provided). 9 mm and 15 mm thick STEPBOARDS provide heat insulation qualities (please see important notes). For neutralizing of ceramic tile surfaces of load carrying capacity which have been cracked or damaged, for the covering and re-alignment of Interfering expansion joints in upper layers.



TECHNICAL
ASSISTANCE



INSURANCE
GUARANTEE



TECHNICAL
MEETINGS



PROFESSIONAL
USE

CONTRACT ITEM SPECIFICATIONS:

For acoustic insulation of floors, we recommend laying "sandwich" boards made of a layer with thickness of 4, 9 or 15 mm in polyester fibers with optimized density for the maximum sound absorption and a polyester fiber wool, with size of cm 100x60, with acoustic insulation capability up to 21 dB, as STEPBOARD by Benfer.

METHOD OF USE:**SUBSTRATES PRERPARATION:**

The substrate must be dry, load bearing and free from remaining residues. Suitable substrates for floor surfaces in interior areas are: concrete, cement screed, anhydrite screeds, magnesite screeds and also old, firm ceramic surfaces and natural stone. Surfaces influenced by calcium sulphate (gypsum board and anhydrite) must be dry (less than 0.5% acc. to CM device values for unheated floorings and less than 0.3% acc. to CM device values on heated surfaces), these can be primed with STARPRIM. Anhydrite screed surfaces are to be roughened.

PRODUCT PREPARATION:

STEPBOARD boards can be cut using a carpet knife (Stanley knife), jigsaw (with wood blade) and hand held circular saw (Ø 150 mm hard metal circular toothed blades with 48 teeth or chromed blades with 60 teeth). To protect sound barriers and rigid restrains the STEPBOARD is to be placed leaving a gap of 5 mm to adjacent parts, supports or mounts. For even mineral surfaces or for surfaces with load carrying capacity, a flowing layer using 15 mm thick STEPBOARD can be used. This increases the insulation protection considerably. The butt joints in this application can be simply applied using common masking tape (50 mm wide). For laying of STEPBOARD on compounded constructions (*as given in the following section under "laying of STEPBOARD"), can be carried out by applying the thin bed mortar types BENFERFLEX. Here the subsequent top coat work can be carried out after a period of 24 hrs. To quicken up the construction process the binding can be improved using the rapid hardening thin bed mortar BENFERFLEX RAPIDO. Here the top surface can be covered after a hardening time of approx. 4 to 6 hrs. The above-mentioned values are calculated at an ambient temperature of + 23°C and at a relative humidity of 50%. High temperatures reduce the pot life, low temperatures increase.

LAYING OF STEPBOARD:

Compounding of surfaces made of concrete, bituminous mastic concrete, cement, Anhydrite and Magnesite screed and on old cast stone, natural stone and ceramic (as step sound and neutralizing boards) STEPBOARD of 4, 9 and 15 mm thick. Surfaces which are strongly influenced by calcium sulphate bondings or high absorbing surfaces are to be primed with STARPRIM. On older firm surfaces the coatings are to be cleaned and then precoated with STARPRIM. Uneven areas can be levelled off using TRIOTECH-50 (cement bonded) or TRIOTECH-30 (cement bonded). After the primer has hardened, the levelling mixture can be combed over with the suitable thin bed mortar onto the surface (with trowel and 6 to 10 mm sized teeth). The boards are to be placed into the fresh cement mortar (attention to skin forming!), avoiding cross joints and blunt adjoining. Finally, the boards are to be knocked into place in such a way that a fully coated and filled foundation is created. It is essential that no remains of cement mortar is left between the joints. After drying of the cement mortar the board joints are to be taped with common masking tape (20 to 50 mm wide). For binding of wooden surfaces such as lobbies, chipboard and parquet being used as a step sound and neutralizing insulation board (only use 9 and 15 mm STEPBOARD). Wooden surfaces must be clean, dry and be of load carrying capacity. Woodchip boards are to be bonded, laid, screwed down and limed. Lobbies and parquet are to be sanded down if necessary and are to be primed with STARPRIM. Chipboards are to be primed with STARPRIM. Uneven areas can be levelled off using MULTIPLAN-50 FI, down to 50 mm (Wood floor spackling mass). After the primer has hardened, the levelling mixture can be combed over with the suitable thin bed mortar onto the surface (with trowel of 6 to 10 mm sized teeth).

The boards are to be placed into the fresh cement mortar (attention to skin forming!), avoiding cross joints and blunt adjoining. Finally, the boards are to be knocked into place in such a way that a fully coated and filled foundation is created. It is essential that no remains of cement mortar is left between the joints. After drying of the cement mortar the board joints are to be taped with common masking tape (20 to 50 mm wide).

Bonding of plaster, concrete and masonry brickwork as a renovation measure on walled areas:

For application of STEPBOARD on walled areas eg: for levelling off of reversed pressure under tiles, the surface is to be solid, capable of load carrying capacity, have no old coatings, residues and of suitable base for tile laying. Lightly sanded down surfaces and absorbing surfaces are to be primed with STARPRIM. As soon as the primer has hardened, the suitable thin bed mortar can be combed into the surface using a notched trowel (6 to 10 mm wide). The boards are to be placed into the fresh cement mortar (attention to skin forming!), avoiding cross joints and blunt adjoining. Finally, the boards are to be knocked into place in such a way that a fully coated and filled foundation is created. On the cross sectioned area between the old surface and STEPBOARD, the joint can be filled and covered with the applied thin bed mortar using a fiberglass mesh.

Subsequent top coatings on STEPBOARD:

After hardening of the cement mortar, the following options for the subsequent coating on STEPBOARD and chosen type of adhesive can be carried out: In moist rooms (moisture class I and II acc. to ZDB-Data Sheet) a bonding sealant of type ACQUASHIELD-GEL or ACQUASHIELD-2KF is to be applied prior to surface work.

Tiles and slabs:

For laying of tiles and slabs made of stone ware, earthenware, ceramic with a minimum of water permeability (less than 0.5% (fine stone ware)), mosaic, bricks and natural stone onto STEPBOARD, we recommend the thin bed mortar type BENFERFLEX.

Natural Stone:

For laying of calibrated natural stone and cast stone slabs (please see important notes), we recommend the thin bed mortar types: MARMOFLEX family or BENFERJOLLY.

Parquet and Laminate flooring:

Ideal adhesive material for covering and fixing of parquet, ready-to-lay parquet and laminate flooring, we recommend ASOWOOD family.

ADVICE:

- For the application of rapid hardening, thin bed mortar on the already hardened levelling mass TRIOTECH, it is recommended to cover the whole area with the primer STARPRIM.
- For laying of natural and cast stones the specific product properties of the surface materials are to be regarded (Discolouring and key influences). Attention to Manufacturers recommendations is to be made. If in doubt carry out adhesion tests in advance.
- 9 and 15 mm STEPBOARD contain heat insulating qualities and are, therefore, suitable for heated surface constructions.

Technical Data Sheets covering this specified sealant, plastering mixture, cement mortar such as adhesives and the manufacturers laying instructions are to be strictly adhered to.

PACKAGING: The panel STEPBOARD of 4 mm of thickness is packed in boxes containing 15 boards (9 m²), in boxes of 10 panels of 9 mm of thickness (6 m²) and 5 panels with thickness of 15 mm (3m²). It is supplied in Europallet of 10 boxes.

STORAGE: In dry storage.

SHELF LIFE: 2 years.

PRODUCT TECHNICAL DATA

Basis:	Polyester fibres
Colour:	Green
Packaging:	4 mm thickness panel - box of 15 boards = 9 m ² thick board
Packaging:	9 mm thickness panel - box of 10 boards = 6 m ² thick board
Packaging:	15 mm thickness panel - box of 5 boards = 3 m ² thick board
Storage:	In dry storage, laid fl at for at least two years.

PLEASE NOTE: The information given in this chart is based on our best experience and indicative only. It must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.