Coding: TLBP140
Revision: 03
Release: 15.07.2026

Technical Leaflet

Product information and Processing guideline EGGER Ergo Board



Product description

EGGER Ergo Board drywall board – its benefits in application

- The handy board format with a width of only 600 mm and a weight of less than 12 kg makes Ergo Board a finishing board for many different applications in drywall construction and interior finishing.
  A real one-man board that can be processed quickly, easily and permanently thanks to the imprinted nailing grid - whether in walls or ceilings.
- EGGER Ergo Board, the OSB board with easy handling, in combination with thin gypsum board cladding, offers certified system solutions for drywall with metal and timber studs. With this board, partition walls with fire protection classification up to EI 90 (F90-AB) and sound insulation dimensions up to 65 dB are possible.
- Drywall with EGGER Ergo Board offers very simple fastening options for console loads. Chipboard screws are sufficient for fastening; forget about special dowels and elaborate fastening technology.
  The walls are also very robust against impact loads and offer high stability overall.
  The patented edge profiling forms a circumferential expansion joint when Ergo Board is installed to compensate for moisture-dependent changes in length.
- The formaldehyde-free gluing of the technical class OSB/3 additionally ensures good moisture and dimensional stability. This ensures permanently functional structures without additional expense.
  This has also been confirmed by an expert opinion from VHT Darmstadt.
- The CE Declaration of Performance DOP-732 provides all relevant characteristic values for essential product features in accordance with the EU Construction Products Regulation (EU/CPR 2024/3110).


MFPA

Allgemeines bauaufsichtliches Prüfzeugnis
Nr. P-SAC02/III-804


VHT VERSUCHSANSTALT FÜR HOLZ- UND TROCKENBAU

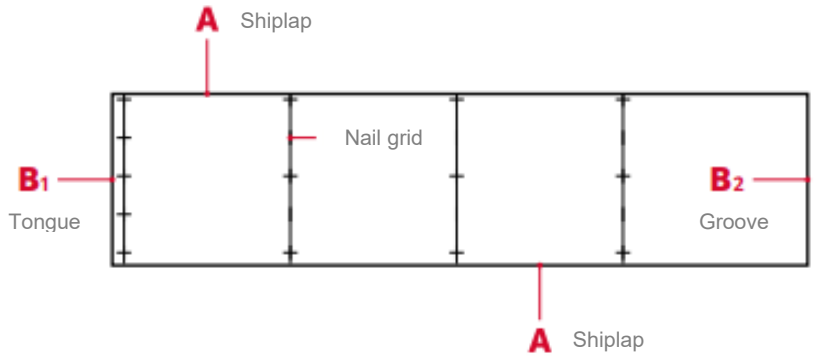
PRÜFZERTIFIKAT

EGGER Ergo Board

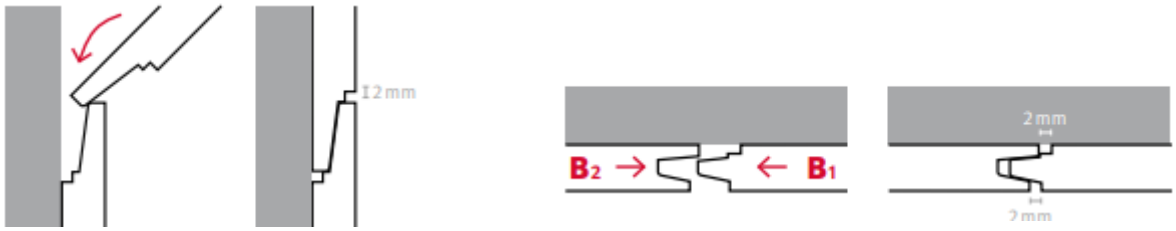
Edge profiling

- The step rebate profile on the long side of the panel allows horizontal or vertical installation depending on the grid spacing and the subsequent use of the partition. The tapered shape of the profile and the integrated step create a 2mm expansion joint without additional effort. This guarantees quick, ergonomic and easy installation.
- The tongue and groove profile on the short side of the board allows for horizontal continuous installation regardless of the stud spacing or intended use. The stiffness is sufficient for spans up to 600 or 625mm. The tapered shape of the profile and the integrated step create a 2mm expansion joint without additional effort.

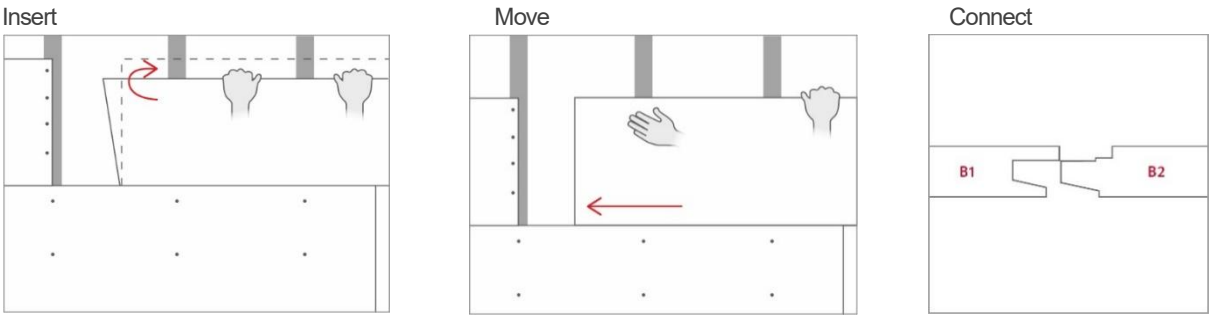
(Image 1): (A) Shiplap – Long panel edge / (B)Tongue and Groove – short panel edge



(Image 2): Edge profiling with automatically formed 2mm expansion joint



(Image 3): Installation of Ergo Board

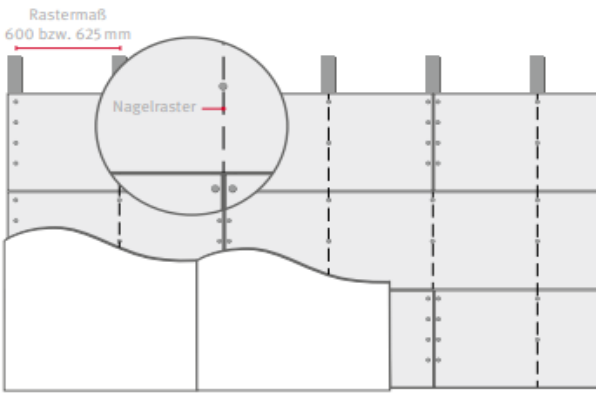


Assembly and fastening

General instructions for drywall partition walls and ceiling

Horizontal Installation

For higher drywall (> 5m) and larger, suspended loads, the vertical panel joints should be supported by the stud frame. The imprinted nail grid complies with a cc-span of 600 or 625mm and facilitates assembly. This allows faster work, especially in the last row, when the studwork is no longer visible. Divide the wall length by the distance of 600 or 625mm; the last grid corresponds to the remaining wall length



(Image 4)



(Image 5): Insert the Ergo Board with the step fold on the long side. To ensure that the various edge profiles are in the correct position, the marking on the top side surface must be legible from left to right.



(Image 6): Use the nail grid to find the correct position.



(Image 7): Install the Ergo Board. It is held securely in position by the shiplap edge profiling.

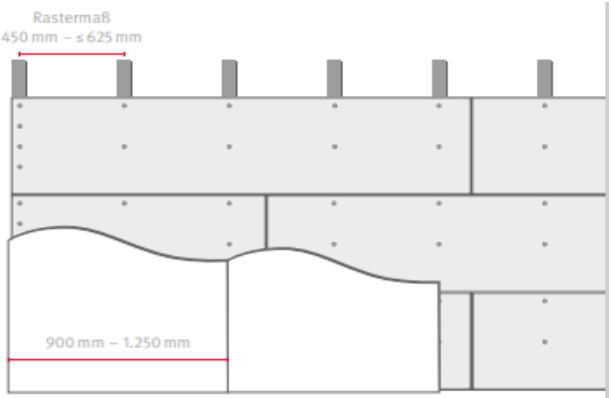


(Image 8): Install the Ergo Board with staggered T-joints.

Endless installation

Endless installation can be implemented for partition walls in living spaces and public areas with common usage situations. The tongue and groove connection guarantees high rigidity even with joints that are not backed and offers efficient use of the Ergo Board with little cut-to-size waste.

The Ergo Board must be mounted on the outer uprights with a fastener distance of 150 mm. Using a cc-span of 450 mm for the studs, a fastener spacing of ≤ 300 mm is sufficient. Fasteners must be fixed at a distance of at least 9 mm from the edge of the board. Wall-mounted loads, such as wall cabinets, shelves and lighting systems, can be easily made.



(Image 9)



(Image 10): Insert the Ergo Board with the step fold on the long side. To ensure that the various edge profiles are in the correct position, the marking on the surface must be legible from left to right.



(Image 11): Slide the plate into the correct position, the tongue and groove on the short side interlock with each other.



(Image 12): A stable connection is also provided at non-backed panel joints by the tongue-and-groove profile.

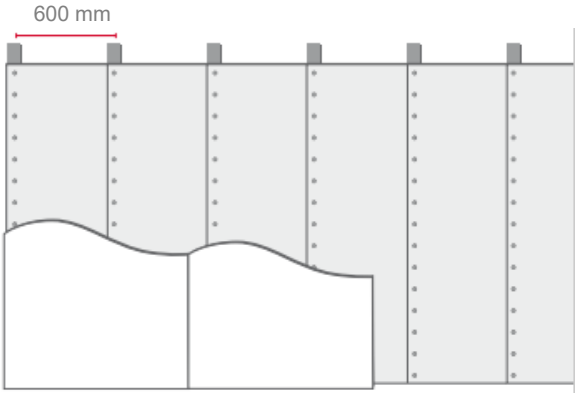


(Image 13): Fastening of the horizontal joints in the stand with a screw. The fastening distance at the edge of the panel is 150 mm, in the center of the panel 300 mm.

Vertical Installation

Vertical installation is recommended especially when the ceiling height coincides with the panel length of 2,500 mm. The center-to-center grid of the studs is then 600mm. The working time can be reduced as only one screw is needed to fix the step seam panel joint to the stud frame. The step seam profile on the long panel edges provides a 2 mm expansion joint without additional effort

The gypsum board cladding can then be fastened into the Ergo Board panel independently of the studwork.



(Image 14)



(Image 15): Align the Ergo Board vertically.



(Image 16): Slide the step seam profiles into each other. The second panel is now held in position.



(Image 17): Fasten the first Ergo Board with a fastener spacing of 150 mm.



(Image 18): Fasten the upright interlocked Ergo Board panels in the step seam area with a screw into the stud frame.

Fasteners and fastening distance

The type of fasteners, their length and diameter depend on the slab thickness, the stud material and the available tools. The fastening distance at the edge of the panel is max. 150 mm, in the middle area max. 300 mm. The imprinted nail grid facilitates installation in the grid dimension 600 mm or 625 mm. The distance between the fasteners and the edge of the panel must be at least 9 mm.

(Image 19): Nail grid print on the panel surface

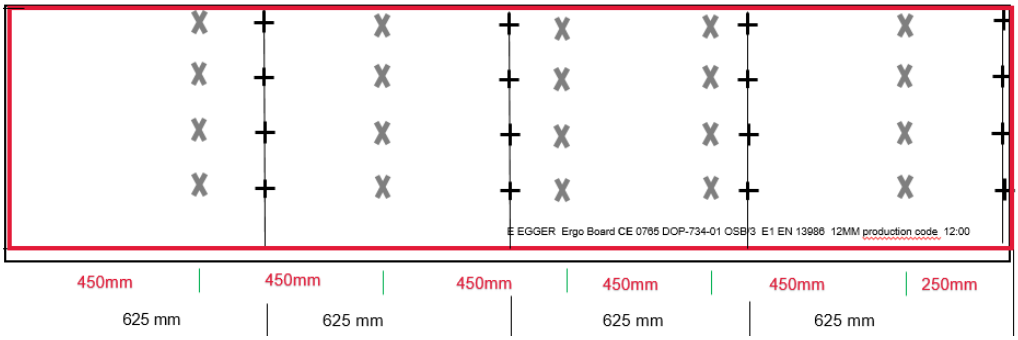
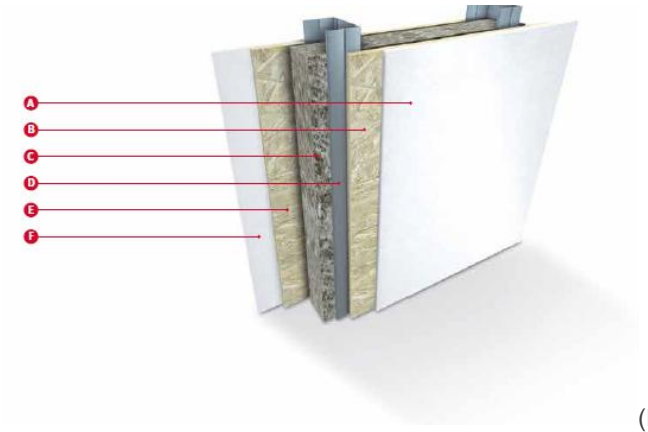


Table 1: Fastener recommendations

Stud work*	Fastener type	Recommended fastener dimensions
Kiln dry timber	Self-drilling countersunk screws Staples Nails	4,0 x 40 mm 1,53 x 40 mm 2,8 x 40 mm
Metal / steel (thickness approx. 0.60 mm)	Countersunk head screws with HiLo thread, phosphated, i.e.. KNAUF, Viti Maxi screws, Fermacell Drill Tip screws, WÜRTH	3,5 x 25 mm 3,5 x 35 mm 3,9 x 35 mm

Constructions for sound-insulating partition walls with Ergo Board

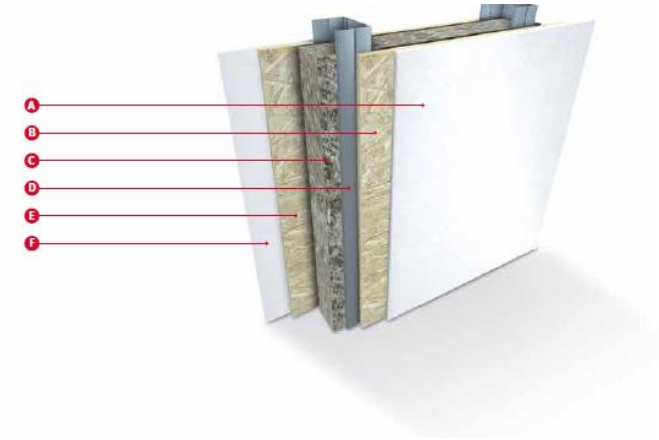


(Image 20)

Table 2: Construction description for sound-insulating non-load-bearing partition walls with metal studs

8	Wall construction	Airborne sound - test value according to ISO 10140-2				
		40 dB	51 dB	56 dB	61 dB	65 dB
A	Gypsum board (GKB) acc. to EN 520 – Type A	-	9,5 mm	-	-	-
	Fire protection board (GKF) acc. to EN 520 – Type F	-	-	15 mm	15 mm	15 mm
Z	Bavaria Phone Star® TRI 15	-	-	-	15 mm	15 mm
B	EGGER Ergo Board	12 mm	12 mm	12 mm	12 mm	12 mm
C	Mineral wool according to EN 13162, melting temperature ≥1,000°C	60 mm	60 m	100 mm	100 mm	100 mm
D	Profile depth of the metal studs at grid spacing max. 625 mm	75 mm	75 mm	100 mm	100 mm	100 mm
E	EGGER Ergo Board	12 mm	12 mm	12 mm	12 mm	12 mm
Z	Bavaria Phone Star® TRI 15	-	-	-	-	15 mm
F	Gypsum board (GKB) acc. to EN 520 – Type A	-	9,5 mm	-	-	-
	Fire protection board (GKF) acc. to EN 520 – Type F	-	-	15 mm	15 mm	15 mm
	Wall thickness	99 mm	118 mm	154 mm	169 mm	184 mm
	Sound reduction index Rw (C;Ctr) according to ISO 10140-2, evaluated according to ISO 717-1	40 (-4 / -11)	51 (-4 / -10)	56 (-3 / -8)	61 (-2 / -6)	65 (-2 / -7)
	Permissible wall height for Installation class 1 / 2 according to DIN 4103-1 without special fire protection requirements	5,0 m	5,0 m	5,0 m	5,0 m	5,0 m

Constructions for fire-retardant and highly fire-retardant partition walls with Ergo Board



(Image 21)

Table 2: Solutions for fire-retardant and fire-resistant non-load-bearing partition walls according to abP P-SAC/3.2-804 Ä

	Wall construction	Classification acc. to EN 13501-2 and abP P-SAC/3.2-804 Ä		
		EI 30	EI 60	EI 90
A	Gypsum board (GKB) acc. to EN 520 – Type A Fire protection board (GKF) acc. to EN 520 – Type F	12,5 mm or 18 mm GKB or 2x 9,5 mm GKB	2x 12,5 mm GKF or 25 mm GKF	15 + 12,5 mm GKF
B	EGGER Ergo Board	12 mm	12 mm	12 mm
C	Mineral wool acc.to EN 13162, melting temperature ≥1.000°C	60 mm / 40 kg/m³	100 mm / 40 kg/m³	100 mm / 40 kg/m³
D	Profile depth of the metal studs at grid spacing max. 625 mm	CW 75/50/0,6 mm	CW 100/50/0,6 mm	CW100/50/0,6 mm
E	EGGER Ergo Board	12 mm	12 mm	12 mm
F	Gypsum board (GKB) acc. to EN 520 – Type A Fire protection board (GKF) acc. to EN 520 – Type F	12,5 mm or 18 mm GKB or 2x 9,5 mm GKB	2x 12,5 mm GKF or 25 mm GKF	15 + 12,5 mm GKF
	Wall thickness	118 mm	154 mm	154 mm
	Classification acc. to report KB 3.2/15-013-3 and P-SAC/3.2-804 A, (acc. to DIN 4102-4)	EI 30 (F30-AB)	EI 60 (F60-AB)	EI 90 (F90-AB)
	Permissible wall heigth for use class 1 / 2 acc. to DIN 4103-1	5,0 m	5,0 m	3,0 m

Extended fire protection solutions based on DIN 4102-4 - Fire protection of building materials and components can be found in the technical leaflet “EGGER Ergo Board Fire Protection Extensions”.

Exterior components

Interior cladding of exterior components such as wall and roof slopes

Horizontally installed Ergo Board panels usually represent a non-load-bearing cladding. Please note that only Ergo Board single-span panels installed vertically on the timber frame can be considered as load-bearing and stiffening cladding.

The Ergo Board cladding can be credited as a vapor barrier with regard to its structural-physical properties and it forms the airtight layer at an air exchange rate to be achieved n50 ≥ 1.5 per hour at 50 Pa pressure difference.

To achieve airtightness, all panel joints shall be sealed with a suitable adhesive tape. For sealing the board joints and penetrations, we recommend Ampacoll XT, proclima Tescon, SIGA Rissan, Isocell Airstop Elasto.



(Image 22)

Table 3: Water vapor permeability

Service class	μ-value	s_d-value [m]
Dry conditions	200	2,4
Wet conditions	150	1,8

Delivery program EGGER Ergo Board

Length x Width [mm]*	Thickness [mm]	Weight per panel [kg]	Area per panel [m²]	Pcs.per package	Area.per package [m²]
2.500 x 600	12	ca. 11	1,50	80	120

* Coverage size incl. 2 mm expansion gap.

General notes

Product misuse and/or non-compliance with any of the recommendations expressly described in this guideline releases EGGER from any liability and any claim relating to the quality of the installed roof system.

Further Information

CE-Declaration of Performance DOP-732 for EGGER OSB 3 E0 and Ergo Board,
Technical Leaflet TLBP141 EGGER Ergo Board Fire protection,
Technical Leaflet TLBP142 EGGER Ergo Board Blow-in insulation,
Technical Leaflet TLBP002 Storage Guidance EGGER OSB and EGGER DHF,
Technical Leaflet Transport and Handling TLBP001 for EGGER OSB and EGGER DHF,

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Provisional note:
These installation instructions have been carefully drawn up to the best of our knowledge. The information provided is based on practical experience, in-house testing and reflects our current level of knowledge. It is intended for information only and does not constitute a guarantee in terms of product properties or its suitability for specific applications. We accept no liability for any mistakes, errors in standards, or printing errors. In addition, technical modifications may result from the continuous further development of EGGER OSB product range, as well as from changes to standards and public law documents. Our General Terms and Conditions apply.