Coding: TLBP141
Revision: 03
Release: 17.08.2026

Technical Leaflet

EGGER Ergo Board



Drywall construction with EGGER Ergo Board
Fire protection enhancements

Notes on the execution of „flying panel Tonge & Groove joints”

For practical applications, the design of "flying" joints for optimum continuous laying is an important criterion.

An inclusion of this design directly in the test certificate (abP) is formally not possible due to the deviation from the test setups. However, experience has shown that the expert's opinion can dispel all doubts on the part of planners and users. In case of doubt, the expert opinion helps to obtain approval for the construction project in individual cases (proof of usability according to the building code).

Applicability of EGGER Ergo Board in partition walls according to DIN 4102

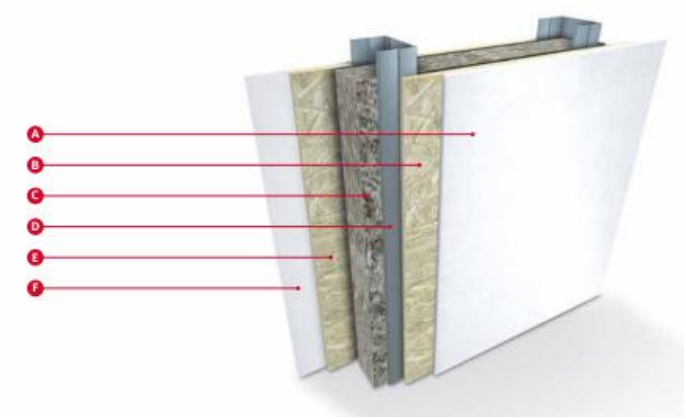
In addition to the tested drywall constructions with EGGER Ergo Board, which are regulated by the general building inspection test certificate (abP) or the classification report, the following constructions are also classified according to DIN 4102-4:2025, table 37 to 39.

This means that EGGER Ergo Board can be used for an extended range of applications on deviating metal profiles and in combination with claddings made of gypsum boards of different thicknesses.

In some application areas, building regulations may require the use of exclusively non-combustible building materials. In these cases, constructions with wooden stud frames or EGGER Ergo Board cannot be used.

According to paragraph 10.1.1.3 of DIN 4102-4:2025, the installation of additional cladding and lining in the classified walls of the standard is generally possible.

Useful constructions that are regulated by the standard are listed below in Tables 1 and 2.



(image 1)

Table 1: Solutions for fire-retardant and fire-resistant non-load-bearing partition walls with metal stud frame according to DIN 4102-4

	Wall construction	Classification according to DIN 4102-4		
		F30-AB	F60-AB	F90-AB
A	Gypsum board GKB acc. to EN 520 – Type A Fire protection board GKF acc. to EN 520 – Type F	12,5 mm oder 18 mm GKB oder 2x 9,5 mm GKB	2x 12,5 mm GKF oder 25 mm GKF	15 + 12,5 mm GKF
B	EGGER Ergo Board	12 mm	12 mm	12 mm
C	Mineral wool insulation acc. to EN 13162 A1, Melting temperature ≥ 1.000°C	40 mm / 30 kg/m³	40 mm /40 kg/m³	40 mm/40 kg/m³
D	Profiles of the Metal stud frame according to DIN 18182 max. cc-span 625 mm	min. CW 50/50/0,6 mm	min. CW 50/50/0,6 mm	min. CW 50/50/0,6 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 oder 18 mm GKB oder 2x 9,5 mm GKB	2x 12,5 mm GKF oder 25 mm GKF	15 + 12,5 mm GKF
	zulässige Wandhöhe für Einbauklasse 1 / 2 nach DIN 4103-1	4,0 m / 2,75 m	4,0 m / 3,5 m	4,0 m / 3,75 m

Table 2: Solutions for fire-retardant and fire-resistant non-load-bearing partition walls with wooden studs according to DIN 4102-4

	Wall construction	Classification according to DIN 4102-4		
		F30-AB	F60-AB	F90-AB
A	Gypsum board GKB acc. to EN 520 – Type A Fire protection board GKF acc. to EN 520 – Type F	12,5 mm oder 18 mm GKB oder 2x 9,5 mm GKB	2x 12,5 mm GKF oder 25 mm GKF	15 + 12,5 mm GKF
B	EGGER Ergo Board	12 mm	12 mm	12 mm
C	Mineral wool insulation acc. to EN 13162 A1, Melting temperature ≥ 1.000°C	40 mm / 30 kg/m³	40 mm /40 kg/m³	40 mm/40 kg/m³
D	Wooden studs max. cc-span 625 mm	min. 40 x 60 mm	min. 40 x 60 mm	min. 40 x 60 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 oder 18 mm GKB oder 2x 9,5 mm GKB	2x 12,5 mm GKF oder 25 mm GKF	15 + 12,5 mm GKF

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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. The contents of this guideline should therefore not be considered as instructions for use or as legally binding. Our General Terms and Conditions apply.