MORE FROM WOOD.

EGGER

Egger OSB Combiline

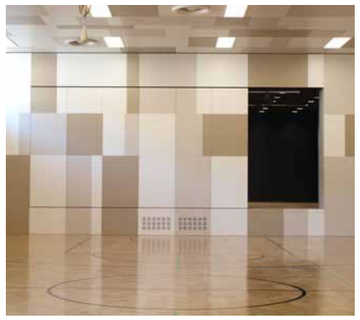
A multitalented offering for upmarket furniture and interior design.

Planning without compromise

EGGER OSB Combiline is the wood-based material alternative to conventional blockboard. Thanks to its composition – an OSB core glued on both sides with EGGER-Thin MDF cover layers – this sandwich board is **highly resistant to bending** and can be **individually coated**. Due to the high-quality, uniform material, it is also easier to process.

Thanks to the formaldehyde-free, glued OSB core layer, EGGER OSB Combiline can also be used for projects with stricter emission requirements. This is particularly useful for public building tenders. The formaldehyde content is far below the permissible E1 determination base. Formaldehyde content EN 717-1 chamber test: EGGER OSB Combiline raw 0.05 ppm, EGGER OSB Combiline laminated 0.03 ppm





Sports Hall Ernsthofen: OSB Combiline provides maximum stability and impact resistance with unlimited design variety.

Application areas

- Furniture and interior design applications subjected to high bending stress, such as shelving systems and drawer bottoms
- Furniture components with high hardware mounting requirements
- Structures with large spans
- Shop fitting and interior design
- Trade fair and stage construction
- Partition walls

Advantages

- Based on high bending strength in all board directions, the **large surface wood strands** of the core layer ensure the dimensional stability of the furniture.
- Uniform material, flexible and direction-dependent when cut to size, easy to optimise
- Very well suited for mounting fasteners and hardware
- The Thin-MDF cover layer forms the perfect basis for a milled and painted surface as well as for a high-quality result during coating and veneering.

Benefits

- Safety also in the case of high levels of stress
- Flexible in use
- Easy processing – saves time and costs
- Saves on stock variants and thus costs
- Long-lasting furniture

Technical data / delivery programme

Property *		Unit	Standard	Board thickness 19 mm	Board thickness 22 mm	Board thickness 25 mm
Surface weight		kg/mm²	–	13.7	15.8	18
Bending strength “vertical”		N/mm²	EN 310	≥ 40	≥ 37	≥ 37
Bending strength “horizontal”		N/mm²	EN 310	≥ 35	≥ 32	≥ 32
E-module “vertical”	raw	N/mm²	EN 310	≥ 4,800	≥ 4,500	≥ 4,800
	laminated	N/mm²	EN 310	≥ 5,000	≥ 5,000	≥ 5,000
E-module “horizontal”	raw	N/mm²	EN 310	≥ 3,700	≥ 3,700	≥ 3,700
	laminated	N/mm²	EN 310	≥ 4,000	≥ 4,000	≥ 4,000
Screw pullout resistance:						
Surface		N/mm²	EN 320	≥ 1,500	≥ 1,500	≥ 1,500
Edge		N/mm²	EN 320	≥ 1,000	≥ 1,000	≥ 1,000
Internal bond		N/mm²	EN 319	≥ 0.55	≥ 0.50	≥ 0.50
Swelling 24 h		%	EN 317	12	12	12

* Characteristics are averages

Sizes (mm)	Board thickness 19 mm	Board thickness 22 mm	Board thickness 25 mm
sanded raw			
5.610 × 2.070	●	●	●
2.800 × 2.070	●	●	●
laminated			
5.610 × 2.070	●	●	●
2.800 × 2.070	●	●	●

Other thicknesses and sizes on request.

On the side of safety

Why should you choose OSB Combiline for demanding interior design applications?

See the comparison between EGGER and competitor products below.

		EGGER				Comparison to MDF/chipboard combination					Comparison to blockboard						EGGER	
Property	Unit	MDF-ST E1 CE	Eurospan E1 P2 CE	Eurospan E1 P3 CE	Eurospan E1 P6 CE	Superpan Water-repellent	Superpan Plus	Superpan Std.	Superpan Star	Premium Board MFP Hybrid	Blockboard with HDF 2.2 deck	Blockboard with MDF deck	Blockboard with Chipboard deck	Laminated veneer with HDF 2.2 deck	Laminated veneer with MDF deck	Laminated veneer with Chipboard deck	OSB Combiline raw	OSB Combiline laminated
Board thickness	mm	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Bending strength major axis	N/mm²	31.0	11.0	14.0	18.0	25.0	19.0	14.0	11.0	25.0	51.0	50.0	37.0	52.0	52.0	38.0	40.0	40.0
Bending strength secondary axis	N/mm²	31.0	11.0	14.0	18.0	25.0	19.0	14.0	11.0	25.0	17.0	20.0	13.0	16.0	19.0	12.0	35.0	35.0
Elastic modulus major axis	N/mm²	2,700	1,600	1,950	3,000	2,800	2,600	2,100	1,600	3,800	6,400	6,300	5,000	6,600	6,500	5,200	4,800	5,000
Elastic modulus secondary axis	N/mm²	2,700	1,600	1,950	3,000	2,800	2,600	2,100	1,600	3,800	2,000	2,400	2,500	2,000	2,300	2,200	3,700	4,000
Internal bond	N/mm²	0.67	0.35	0.45		0.45	0.35	0.35	0.35	0.5							0.55	0.55
Tensile strength	N/mm²	1.00	0.80	1.00		1.00	1.00	0.80	0.80	0.80							1.00	1.00
Surface weight	kg	13.7	12.4	12.6		13.3	12.9	11.9	9.5	14.6	10.4	11.3	10.6	10.5	11.3	10.7	13.7	13.8
Density	kg	720	650	665		700	680	630	500	770	545	595	560	550	595	565	700	700
Screw pullout resistance, surface	N	1,080	1,245							1,900							1,500	1,500
Screw pullout resistance, edge	N	900	922							1,500							1,000	1,000

www.egger.com

PMT_EN_05/2018_SCG