

Technical data sheet

EGGER OSB Combiline



The OSB Combiline is a high-strength coatable composite element with a core layer of OSB and a double-sided top layer made of thin MDF. It combines the excellent flexural rigidity of the EGGER OSB board with the suitability for coating and lacquering of an MDF board.

Board type: Composite board moisture

Mechanical properties average board values			Unit	Value		
Board thicknesses			[mm]	19	22	25
Density	EN 323		[kg/m ³]	app. 720	app. 700	app. 690
Internal bond strength	EN 319		[N/mm ²]	≥ 0.50		
Bending strength - longitudinal direction	EN 310		[N/mm ²]	≥ 35		
Bending strength - cross direction	EN 310		[N/mm ²]	≥ 28		
Modulus of elasticity - longitudinal direction	raw	EN 310	[N/mm ²]	≥ 4400	≥ 4400	≥ 4700
	melamine faced	EN 310	[N/mm ²]	≥ 4800	≥ 4800	≥ 5000
Modulus of elasticity - cross direction	raw	EN 310	[N/mm ²]	≥ 3500		
	melamine faced	EN 310	[N/mm ²]	≥ 3800		
Surface soundness	EN 311		[N/mm ²]	≥ 0.9		
Thickness swelling	EN 317		[%]	≤ 12		
Screw holding	face	EN 320	[N]	≥ 1500		
	edge	EN 320	[N]	≥ 1000		
Formaldehyde emission *	raw	EN 717-1	[ppm]	≤ 0.05		
	melamine faced	EN 717-1	[ppm]	≤ 0.03		

* The product complies with the following emission class(es):

E1E05: According to the "Ordinance on bans and restrictions on the marketing and sale of certain substances, mixtures and products pursuant to the Chemicals Act" (ChemverbotsV), wood-based materials in Germany are subject to special requirements with regard to formaldehyde emission. Accordingly, coated and uncoated wood-based materials may not be placed on the market if the equilibrium concentration of formaldehyde in the air of a test chamber exceeds 0.1 ml/cbm (ppm). The reference method is the chamber method EN 16516. Tests according to chamber method EN 717-1 can still be carried out, but the test results must be multiplied by a factor of 2.

General tolerances			Unit	Value
Length and width tolerance	EN 324		[mm]	± 3,0
Squareness	EN 324		[mm/m]	≤ 2,0
Edge straightness tolerance	EN 324		[mm/m]	± 1,5
Thickness tolerance	EN 324		[mm]	± 0,3
Thickness tolerance	EN 324		[mm/m]	≤ 1,5

Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. We accept no liability for any mistakes, errors in standards or printing errors. In addition, technical modifications can result from the continuous further development, as well as from changes in standards and documents originating from statutory bodies. The contents of this technical leaflet should therefore not be considered as instructions for use or as legally binding.