



OSB 2

The light and stable
OSB panel

DESCRIPTION

OSB 2 is a structured panel with three layers of long wood strands arranged at right angles to each other, bonded with resin applied under high temperature and pressure. In the outer layers, the particles are arranged lengthwise in relation to the length of the board; in the inner layer, they are at right angles to the length of the board. It is a product with excellent mechanical resistance and durability and is extremely versatile.

- Governed under building law with characteristic values acc. to EN 1995-1-1 and Eurocode 5
- High strength and stability
- Formaldehyde-free glued
- Versatile in application
- High quality confirmed by regular, external inspections
- Raw material exclusively from responsible forest and timber industry

PROPERTIES



DURABILITY



VERSATILITY



VERY LOW
EMISSIONS

APPLICATIONS

- Load-bearing OSB panel for use in dry conditions (service class 1)
- Load-bearing ceiling sheathing
- Load-bearing and floating floor construction
- Decorative areas in the interior construction
- Shop fitting and exhibition stand construction



RETAIL &
EXHIBITIONS



FOR PANELING



FOR
CONSTRUCTION

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TECHNICAL DATA

PROPERTIES	UNIT	THICKNESS RANGE (mm)		
		6 - 10	> 10 - < 18	18 - 25
Bulk density	Kg/m ³	≥ 590		
Rated thermal conductivity λ_R	W/(m*K)	0.13		
Formaldehyde emission	Class	E1 - formaldehyde-free glued (<0,03 ppm)		
Fire reaction	Class	E		
Thickness swellings (24 hours)	%	20		
Change in length per 1% change in moisture content	%	0.03		
Bending strength - major axis	N/mm ²	22	20	18
Bending strength - minor axis	N/mm ²	11	10	9
Modulus of elasticity (MOE) - major axis	N/mm ²	3500	3500	3500
Modulus of elasticity (MOE) - minor axis	N/mm ²	1400	1400	1400
Internal bond	N/mm ²	0.34	0.32	0.30

CHARACTERISTIC VALUES*

PROPERTY	UNIT	THICKNESS (mm)	BENDING f_m		TENSION f_t		COMPRESSION f_c		PANEL SHEAR f_v	PANEL SHEAR f_r
			or 0	⊥ or 90	or 0	⊥ or 90	or 0	⊥ or 90		
STRENGTH	N/mm ²	6 - 10	18.0	9.0	9.9	7.2	15.9	12.9	6.8	1.0
		> 10 - 18	16.4	8.2	9.4	7.0	15.4	12.7		
		> 18 - 25	14.8	7.4	9.0	6.8	14.8	12.4		
PROPERTY	UNIT	THICKNESS (mm)	BENDING E_m		TENSION E_t		COMPRESSION E_c		PANEL SHEAR G_v	PANEL SHEAR G_r
			or 0	or 90	or 0	or 90	or 0	or 90		
STIFFNESS	N/mm ²	6 - 25	4930	1980	3800	3000	3800	3000	1080	50

*acc. to EN 12369-1

CERTIFICATIONS



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