

TECHNICAL DATA SHEET

acc. to EN 300



General properties

Property	Test method	Unit	Value
Nominal dimensions tolerance	Length	EN 324-1	mm
	Width	EN 324-1	mm
	Thickness	EN 324-1	mm
Tolerance	Straightness	EN 324-2	mm/m
	Squareness	EN 324-2	mm/m
Moisture	EN 322	%	2-12
Average density	EN 323	%	± 15
Perforator value	EN ISO 12460-5	mg/100g	≤ 8mg/100g dry board
Release of formaldehyde	EN 717-1	-	E1

Load-bearing boards for use in dry conditions

OSB/2		Test method	Unit	Thickness [mm]			
				6 - 10	>10 - <18	18 - 25	>25 - 32
Bending strength	Major axis	EN 310	N/mm ²	22	20	18	16
	Minor axis	EN 310	N/mm ²	11	10	9	8
Modulus of elasticity	Major axis	EN 310	N/mm ²	3500			
	Minor axis	EN 310	N/mm ²	1400			
Tensile strength		EN 319	N/mm ²	0,34	0,32	0,30	0,29
Swelling in thickness, 24h		EN 317	%	20			

Load-bearing boards for use in humid conditions

OSB/3		Test method	Unit	Thickness [mm]			
				6 - 10	>10 - <18	18 - 25	>25 - 32
Bending strength	Major axis	EN 310	N/mm ²	22	20	18	16
	Minor axis	EN 310	N/mm ²	11	10	9	8
Modulus of elasticity	Major axis	EN 310	N/mm ²	3500			
	Minor axis	EN 310	N/mm ²	1400			
Tensile strength		EN 319	N/mm ²	0,34	0,32	0,30	0,29
Tensile strength after boil		EN 1087-1	N/mm ²	0,15	0,13	0,12	0,06
Tensile strength after cyclic test		EN 321	N/mm ²	0,18	0,15	0,13	0,10
Bending strength after cyclic test - major axis		EN 321	N/mm ²	9	8	7	6
Swelling in thickness, 24h		EN 317	%	15			

Heavy duty load-bearing boards for use in humid conditions

OSB/4		Test method	Unit	Thickness [mm]			
				6 - 10	>10 - <18	18 - 25	>25 - 32
Bending strength	Major axis	EN 310	N/mm ²	30	28	26	24
	Minor axis	EN 310	N/mm ²	16	15	14	13
Modulus of elasticity	Major axis	EN 310	N/mm ²	4800			
	Minor axis	EN 310	N/mm ²	1900			
Tensile strength		EN 319	N/mm ²	0,50	0,45	0,40	0,35
Tensile strength after boil		EN 1087-1	N/mm ²	0,17	0,15	0,13	0,06
Tensile strength after cyclic test		EN 321	N/mm ²	0,21	0,17	0,15	0,10
Bending strength after cyclic test - major axis		EN 321	N/mm ²	15	14	13	6
Swelling in thickness, 24h		EN 317	%	12			

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