

# TECHNICAL DATA SHEET

acc. to EN 300



## General properties

Property	Test method	Unit	Value	
Nominal dimensions tolerance	Length	EN 324-1	mm	±3
	Width	EN 324-1	mm	±3
	Thickness	EN 324-1	mm	±0,8
Tolerance	Straightness	EN 324-2	mm/m	1,5
	Squareness	EN 324-2	mm/m	2
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 <sup>2</sup>	22	20	18	16
	Minor axis	EN 310	N/mm <sup>2</sup>	11	10	9	8
Modulus of elasticity	Major axis	EN 310	N/mm <sup>2</sup>	3500			
	Minor axis	EN 310	N/mm <sup>2</sup>	1400			
Tensile strength	EN 319	N/mm <sup>2</sup>	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 <sup>2</sup>	22	20	18	16
	Minor axis	EN 310	N/mm <sup>2</sup>	11	10	9	8
Modulus of elasticity	Major axis	EN 310	N/mm <sup>2</sup>	3500			
	Minor axis	EN 310	N/mm <sup>2</sup>	1400			
Tensile strength	EN 319	N/mm <sup>2</sup>	0,34	0,32	0,30	0,29	
Tensile strength after boil	EN 1087-1	N/mm <sup>2</sup>	0,15	0,13	0,12	0,06	
Tensile strength after cyclic test	EN 321	N/mm <sup>2</sup>	0,18	0,15	0,13	0,10	
Bending strength after cyclic test - major axis	EN 321	N/mm <sup>2</sup>	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 <sup>2</sup>	30	28	26	24
	Minor axis	EN 310	N/mm <sup>2</sup>	16	15	14	13
Modulus of elasticity	Major axis	EN 310	N/mm <sup>2</sup>	4800			
	Minor axis	EN 310	N/mm <sup>2</sup>	1900			
Tensile strength	EN 319	N/mm <sup>2</sup>	0,50	0,45	0,40	0,35	
Tensile strength after boil	EN 1087-1	N/mm <sup>2</sup>	0,17	0,15	0,13	0,06	
Tensile strength after cyclic test	EN 321	N/mm <sup>2</sup>	0,21	0,17	0,15	0,10	
Bending strength after cyclic test - major axis	EN 321	N/mm <sup>2</sup>	15	14	13	6	
Swelling in thickness, 24h	EN 317	%	12				

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