

RAW PARTICLE BOARD



	Raw particle board for interior applications	Raw particle board for interior applications moisture resistant
Composition & content	Wood : 85 % Urea & formol glue : 7,5 % Additifs : 0,5 % Water : 7 %	Wood : 80 % Melamine urea formol glue : 12,5% Additifs : 0,5 % Water : 7 %
Formaldehyde content	Class E1/2 : ≤ 4 mg / 100 g content dry panel, following EN 120 Class E1 : ≤ 8.0 mg / 100 g content dry panel, following EN 120	
Moisture content	5 to 8 %	
Fire resistance conventional classification	Thickness ≥ 18 mm } D-s2, d0 Thickness < 18 mm }	
Lenght – Width – Thickness – Average density variation	Full size and std cross cuts (2 or 3 cross cuts in ful size) Pre cut pieces Thickness : ± 0,2 mm Lenght and width : ± 5 mm Squariness : 2 mm/m Edge squariness : 1,5 mm/m Density : ± 10%	Pre cut pieces Thickness : ± 0,2 mm Lenght and width : ± 2 mm Squariness : 2 mm/m Edge squariness : 1,5 mm/m Density : ± 10%

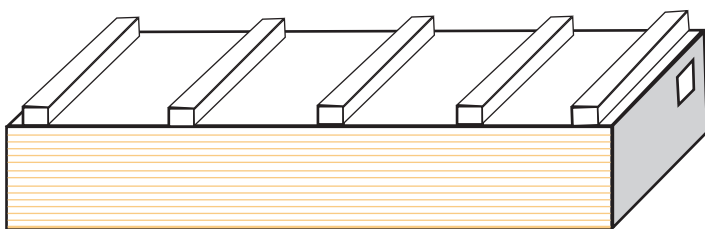
PROPERTIES

- Panel produced under pressure and heat with wood particles who are glued together.

APPLICATIONS

- Panel used for : floor, shopfitting, furniture, packaging, etc.

RANGE

SIZE	2800 x 2070 mm	4100 x 2070 mm	5600 x 2070 mm
THICKNESS	10 to 38 mm	10 to 38 mm	10 to 38 mm
QUALITY	P1 to P5	P1 to P5	P1 to P5
PACKAGING			



The mark of
responsible forestry





TECHNICAL SPEC SHEET

RAW PARTICLE BOARD

P1

Characteristics	Test Method	Unit	Requirements				
			Thickness range (nominal in mm)				
			> 10 to 13	> 13 to 20	> 20 to 25	> 25 to 32	> 32 to 38
Bending strenght	EN 310	N/mm ²	10,5	10	10	8,5	7
Internal bond	EN 319	N/mm ²	0,28	0,24	0,20	0,17	0,14

P2

Characteristics	Test Method	Unit	Requirements				
			Thickness range (nominal in mm)				
			> 10 to 13	> 13 to 20	> 20 to 25	> 25 to 32	> 32 to 38
Bending strenght	EN 310	N/mm ²	11	11	10,5	9,5	8,5
Modulus of elasticity and strenght bending	EN 310	N/mm ²	1800	1600	1500	1350	1200
Internal bond	EN 319	N/mm ²	0,40	0,35	0,30	0,25	0,20
Surface bond	EN 311	N/mm ²	0,8	0,8	0,8	0,8	0,8

P3

Characteristics	Test Method	Unit	Requirements				
			Thickness range (nominal in mm)				
			> 10 to 13	> 13 to 20	> 20 to 25	> 25 to 32	> 32 to 38
Bending strenght	EN 310	N/mm ²	15	14	12	11	9
Modulus of elasticity and strenght bending	EN 310	N/mm ²	2050	1950	1850	1700	1550
Internal bond	EN 319	N/mm ²	0,45	0,45	0,40	0,35	0,30
Thickness swelling 24h	EN 317	%	17	14	13	13	12
Tensile perpendicular to the plane of the board after V313	EN 321	N/mm ²	0,15	0,13	0,12	0,10	0,09
Swelling after V313	EN 321	%	14	13	12	12	11

P4

Characteristics	Test Method	Unit	Requirements				
			Thickness range (nominal in mm)				
			> 10 to 13	> 13 to 20	> 20 to 25	> 25 to 32	> 32 to 38
Bending strenght	EN 310	N/mm ²	16	15	13	11	9
Modulus of elasticity and strenght bending	EN 310	N/mm ²	2300	2300	2050	1850	1500
Internal bond	EN 319	N/mm ²	0,40	0,35	0,30	0,25	0,20
Thickness swelling 24h	EN 317	%	16	15	15	15	14

P5

Characteristics	Test Method	Unit	Requirements				
			Thickness range (nominal in mm)				
			> 10 to 13	> 13 to 20	> 20 to 25	> 25 to 32	> 32 to 38
Bending strenght	EN 310	N/mm ²	18	16	14	12	10
Modulus of elasticity and strenght bending	EN 310	N/mm ²	2550	2400	2150	1900	1700
Internal bond	EN 319	N/mm ²	0,45	0,45	0,40	0,35	0,30
Thickness swelling 24h	EN 317	%	11	10	10	10	9
Tensile perpendicular to the plane of the board after V313	EN 321	N/mm ²	0,25	0,22	0,20	0,17	0,15
Swelling after 24 hours after V313	EN 321	%	12	12	11	10	9