



PB Premier

Substrates Collection

PB Premier known for its high density and consistency, is a 3-layered flat pressed board made from specially sorted wood chips bonded using a high quality, low formaldehyde resin. Ideal for construction of indoor, low-impact components such as furniture and shelving in the kitchen, living room, bedroom, or office.

Thickness
Dimensions

15 / 18 mm
1220 × 2440 mm

Characteristics



E1 Low Formaldehyde
Safe for all living and interior applications, especially enclosed spaces.



H1 Dry Conditions
Suitable for interior spaces that frequently use air conditioning.

Technical Specifications

General Requirements for Particleboard

Properties		Test Method	Requirement
Tolerance on Nominal Dimensions	Thickness	EN 324-1	± 0.3 mm
	Length/Width		± 5 mm
Squareness Tolerance		EN 324-2	2 mm/m
Tolerance of Density		EN 323	± 10%
Formaldehyde Release		EN 120	Class E1 ≤ 8mg/m ³

Requirements for Particleboard for use in Dry Conditions

Properties	Test Method	Unit	Thickness (mm, nominal dimension)				
			8 to 13	> 13 to 20	> 20 to 25	> 25 to 32	> 32 to 40
Average Density	EN 323	Kg/m ³	600 - 720				
Bending Strength	EN 310	N/mm ²	11	11	10.5	9.5	8.5
Modulus of Elasticity	EN 310	N/mm ²	1800	1600	1500	1350	1200
Internal Bond	EN 319	N/mm ²	0.40	0.32	0.30	0.25	0.20
Surface Soundness	EN 311	N/mm ²	0.80	0.80	0.80	0.80	0.80

Requirements for Particleboard for use in Dry Conditions

Properties	Test Method	Unit	Thickness (mm, nominal dimension)				
			8 to 13	> 13 to 20	> 20 to 25	> 25 to 32	> 32 to 40
Average Density	EN 323	Kg/m ³	600 - 720				
Bending Strength	EN 310	N/mm ²	15	14	12	11	9
Modulus of Elasticity	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
Swelling in Thickness	EN 317	%	17	14	13	13	12

PB Premier Application Areas

Furniture and Woodworking	
Lamination of Surface Elements (Melamine, Laminates and Foils)	•
Spray Painting	
Easy processing with woodworking tools	•
Excellent grip of fasteners (Screws, nails and staples)	•
Decorative Surface	
Attractive Edges	
Homogeneous Appearance Throughout	

Building and Structural Applications	
High Moisture and Humidity Resistance	H1
Increased Fire Safety Regulations	*
Termite Resistance	
Climate Sensitive Applications (Ultra Low VOC)	
Horizontal Load-bearing Applications	•
Non Load-bearing Walls, Partitions and Ceilings	•
Formwork	

Other Technical and Industrial Applications	
Door production with increased fire safety regulations	
Suitable for use in marine vessels	
Temporary Outdoor Exhibitions	
Packaging Industry	•
Signage and Billboards	•
Warehouse Management (Racking)	•

• Recommended * Option Available