



DesertBoard.

Interior Decorations

Turning blank walls and surfaces into stunning works of art with PSB® Prime's zero-formaldehyde, moisture resistant boards, ideal for decorative paneling, ceiling accents, wainscoting, wall art installations, and backsplashes.

With finishing options such as coating, lamination, and veneering, PSB® Prime offers style, functionality, and longevity, ensuring that every design vision comes to life.



WHY PSB® PRIME?



- **PSB® Prime** is a general-purpose, non-load-bearing board, designed for a variety of construction applications, primarily intended for interior use.
- **PSB® Prime** is suitable for environments with low moisture exposure, effectively minimizing the risk of warping.
- **PSB® Prime** provides a cost-effective solution for non-structural applications, offering standard performance with a modulus of elasticity of 2,500 Newtons per square millimeter (N/mm²) and a modulus of rupture ranging from 14 to 20 Newtons per square millimeter (N/mm²).
- **PSB® Prime** is formaldehyde-free, promoting a healthier indoor environment by reducing the potential for harmful emissions. This makes it especially well-suited for spaces where patient safety and comfort are of utmost importance. Additionally, PSB® Prime contributes to the clean, modern aesthetic of healthcare facility interiors, all while ensuring compliance with stringent health and safety standards.

SPECIFICATIONS

Modulus of Rupture	14 – 20 N/mm2
Modulus of elasticity	2,500 N/mm2
Internal Bonding	0.29 – 0.34 N/mm2
Thickness Swelling	20%
Width	1,200 – 1,250 mm
Length	1,830 – 3,048 mm
Thickness	9 – 44 mm

TECHNICAL DATA SHEET

PSB® PRIME	TEST METHOD	UNIT	REQUIREMENT					
			BOARD THICKNESS RANGE (MM)					
			PSB® PRIME			PSB® ECO CORE PRIME		
			9 to 10	> 10 to 16	> 16 to 25	> 25 to 30	> 30 to 40	> 40 to 45
Bending strength - major axis	EN 310	N/mm²	20	18	16	14	12	10
Bending strength - minor axis	EN 310	N/mm²	10	9	8	7	6	5
Modulus of elasticity in bending - major axis	EN 310	N/mm²	2500	2500	2500	2500	2500	2500
Modulus of elasticity in bending - minor axis	EN 310	N/mm²	1200	1200	1200	1200	1200	1200
Internal bond	EN 319	N/mm²	0.34	0.32	0.30	0.29	0.26	0.23
Swelling in thickness - 24H immersion	EN 317	%	20	20	20	20	20	20

CUSTOMIZABLE FINISHES



Raw Board



Melamine Face
Finishing



Sanded Board



Premium Surface
(Putty) Finishing








Premium Plus
Surface (Coated)
Finishing



Veneer Finishing

BEST PRACTICES FOR PSB® PRIME

-  It is recommended to coat the boards to enhance their durability and resilience against moisture, thereby ensuring their reliability in load-bearing applications.
-  For optimal performance of PSB® Prime, it is recommended to use the boards in environments with low moisture exposure to ensure their longevity.
-  For components being fastened, such as beams, rafters, joists, and trusses, pre-drilling is essential. The diameter of the pre-drilled hole should be smaller than the screw diameter to ensure effective engagement of the screw threads.
-  During transportation and storage, avoid direct exposure to water droplets and precipitation on the edges and surfaces of PSB® boards. Adequate protective covers should be provided to safeguard the boards.
-  Use screws, nails, or staples for fastening, ensuring the length is at least 2.5 times the board thickness, but not less than 75-50 millimeters (mm). Fastening should occur at intervals of 300-150 millimeters (mm) on intermediate supports, depending on specific application requirements.

RELATED APPLICATIONS FOR PSB® PRIME



Partition Walls



Commercial Display

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MADE IN THE UAE

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