DesertBoard.

Partition Walls

From open-plan offices needing flexible layouts to retail spaces requiring eye-catching designs, PSB® Prime elevates the construction of partition walls, offering a robust and customizable solution. Its versatility makes it the preferred choice for creating functional, beautiful, and sustainable interiors.

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 TESTINGS	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

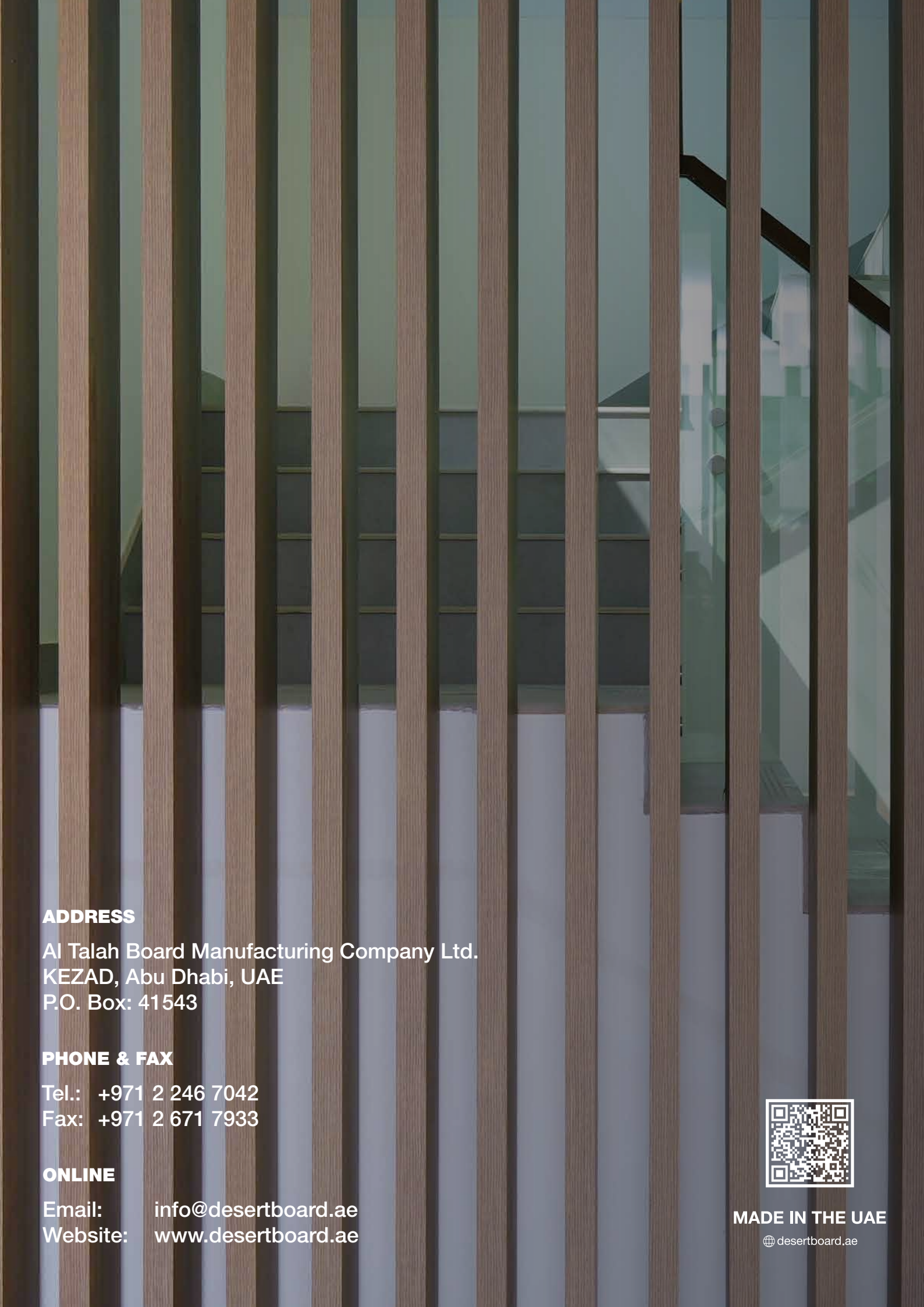
BEST PRACTICES FOR PSB® PRIME

- 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

Interior Decorations

Commercial Display



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