

Features for PSB ULTRA

- Superior strength and stability in high-humidity conditions.
- Designed for heavy-duty applications, ensuring longevity and performance.
- Offers more dimensional stability in comparison to PSB SUPREME

Detailed Applications for PSB ULTRA

- **Basement Walls:** Suitable for structural walls in basements, where moisture exposure is common, providing stability and resistance to warping.
- **Heavy-Duty Racking Systems:** Our heavy-duty racking systems are specifically designed for commercial warehouses, providing robust shelving solutions that can withstand significant weight and resist moisture. Constructed from strong materials, these systems ensure durability and reliability in demanding environments. By applying the appropriate coatings tailored to your specific application and using appropriate span length, we enhance their resistance to moisture and wear, ensuring long-lasting performance and safety for all your storage needs.
- **Industrial Applications:** Suitable for use in factories and industrial buildings where exposure to humidity and heavy loads is common.
- **Architectural Features:** Used in architectural design elements such as cantilevered structures, where load distribution is critical.
- **Retaining Walls:** Can be used in constructing retaining walls where structural integrity and moisture resistance are paramount.
- **Temporary Structures:** Ideal for temporary structures such as and staging areas in construction sites, where robustness is required.

WARNING: In case of long-term application and exposure to moisture, boards must be coated.

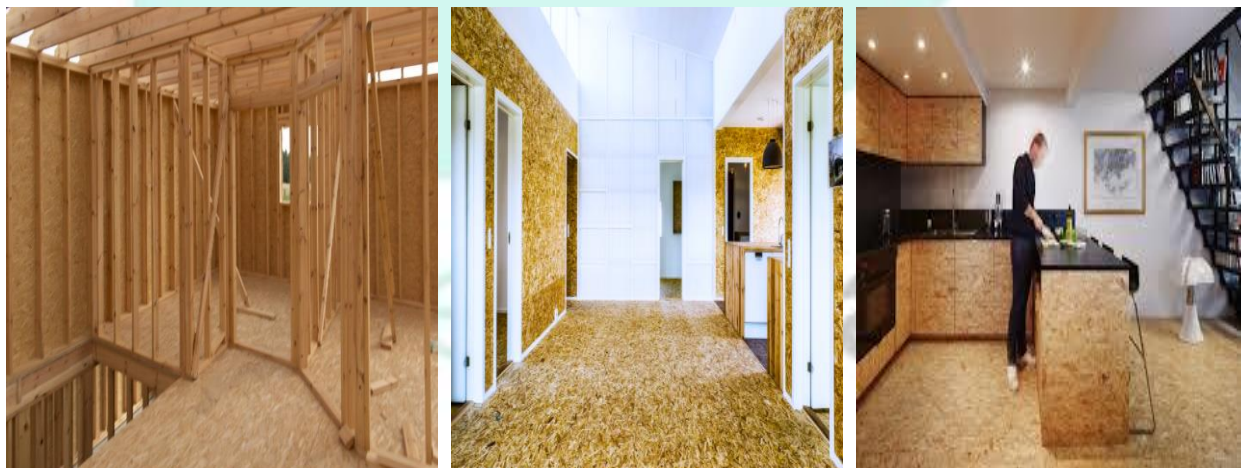


TABLE FOR TECHNICAL SPECIFICATION - PSB ULTRA

PSB ULTRA	TEST METHOD	UNIT	REQUIREMENT		
TESTINGS			BOARD THICKNESS RANGE (mm)		
			9 to 10	> 10 to 16	> 16 to 25
Bending strength - major axis	EN 310	N/mm ²	22	20	18
Bending strength - minor axis	EN 310	N/mm ²	11	10	9
Modulus of elasticity in bending - major axis	EN 310	N/mm ²	3500	3500	3500
Modulus of elasticity in bending - minor axis	EN 310	N/mm ²	1400	1400	1400
Internal bond	EN 319	N/mm ²	0.50	0.45	0.40
Swelling in thickness - 24 h immersion	EN 317	%	12	12	12
IB After Boiling test	EN 1087-1	N/mm ²	0.17	0.15	0.13

PSB CONFORM

PSB CONFORM is a specialized variant of the PSB board, tailored for precise shuttering applications in construction. In the same way as PSB ULTRA, PSB CONFORM meets the Service Class 2 standards according to EN1995-1-1, making it suitable for environment exposed to moderate moisture. However, PSB CONFORM is uniquely formulated to support the shaping and forming of concrete structures. Its heavy-duty composition ensures it can endure substantial weight and pressure without deforming or failing, which is crucial during the concrete pouring and curing process. The precise shaping capability of PSB CONFORM ensures that the required formwork can be accurately maintained, contributing to the creation of smooth, consistent concrete structures. As a result, PSB CONFORM is an essential material for professionals looking for reliable, high-performance solutions in shuttering and formwork systems.

Features for PSB CONFORM

- PSB CONFORM for shuttering boards were designed to support heavy loads during the concrete pouring process, ensuring that formwork systems remain stable and secure throughout construction. Their robust structural composition prevents deformation under the weight of fresh concrete.
- These boards are engineered to withstand exposure to moisture.

- PSB CONFORM boards are highly durable, offering long-lasting performance even in demanding construction environments. Their resistance to wear and tear during the formwork process helps reduce maintenance costs and increase the lifespan of the boards.
- The boards are engineered to maintain their shape and dimensions during use, even in challenging environmental conditions. This ensures consistent performance and reliable formwork throughout the duration of the project.
- PSB CONFORM boards are specifically designed for precise shaping and forming of concrete structures. They allow for smooth, accurate mold creation, ensuring high-quality results in the final concrete finish.
- The surface of the PSB CONFORM board is smooth, reducing the risk of surface defects in the concrete. This ensures high-quality concrete finishes, which is crucial for the aesthetics and performance of the final structure.
- Resistant to warping and deformation, making it suitable for challenging environments.

Detailed Applications for PSB CONFORM

- **Formwork Systems:** Ideal for creating reusable formwork for concrete pouring, enabling precise shaping and reducing waste in construction projects.
- **Retaining Structures:** Effective for use in retaining walls that require both load-bearing capacity and moisture resistance, especially in landscape and civil engineering projects.
- **Shuttering for Vertical & horizontal (Slab and Columns):** Excellent for creating shuttering systems for slab and columns, ensuring proper alignment and support during concrete setting.
- **Exterior Shuttering for Marine Applications:** Suitable for marine environments where boards may be exposed to high moisture requiring enhanced durability (board should be coated).

