Here's are the PSB boards classification:

PSB PRIME / ECO CORE PRIME

PSB PRIME and ECO CORE PRIME are general-purpose non-load-bearing boards designed for a variety of construction applications, primarily focused on interior use. These boards are particularly valued for their versatility and adaptability in numerous settings, making them ideal for partition walls, ceilings, and other non-structural components within buildings.

The ECO CORE PRIME variant is specifically tailored for use in door cores and frames, ensuring optimal performance in these critical applications. While it is designed for individual use in door construction, its properties make it an excellent choice for enhancing the structural integrity and aesthetic appeal of doors. Both board types emphasize sustainability and efficiency, reflecting a commitment to environmentally conscious construction practices.

These boards are classified under service Class 1 as per EN1995-1-1, indicating that they are suitable for environments with low moisture exposure. This classification ensures that the boards maintain their dimensional stability and structural integrity in conditions where humidity is minimal, making them perfect for indoor applications where moisture levels are controlled.

In summary, PSB PRIME and ECO CORE PRIME boards offer a reliable solution for non-load-bearing applications, providing the necessary performance characteristics while adhering to sustainability principles. Their design and classification make them a preferred choice for builders and architects looking to implement high-quality, functional materials in their projects.

Features

- Easy to install.
- Cost-effective option for non-structural applications.
- Designed for dry conditions, ensuring minimal risk of warping.

Detailed Applications

- **Wall Linings and Partitions**: Ideal for creating interior walls in residential and commercial spaces where humidity is controlled.
- **Ceilings**: Suitable for use in ceilings that do not require load-bearing capabilities, making it perfect for standard interior designs.

- **Furniture Components**: Used in cabinetry and furniture production where moisture exposure is low, ensuring longevity and stability.
- **Interior Fitments**: Excellent for decorative elements, moldings, and non-structural framing in dry environments.
- **Door cores**: The door core consists of a solid or hollow structure made from PSB, designed for use in interior environments where moisture exposure is minimal. Service Class 1 indicates that the material is suitable for use in dry conditions, with low risk of moisture-related issues, making it ideal for residential and commercial interior applications. This type of door core typically provides good strength, durability, and thermal insulation properties, while also being cost-effective.
- **Acoustic Panels:** Suitable for creating acoustic treatment solutions in studios, offices, and homes, enhancing sound quality and reducing noise transmission.
- **Cabinetry and Shelving:** Ideal for kitchen cabinets, built-in storage solutions, and shelving units where moisture exposure is minimal, providing durability and a clean finish.
- **Non-Load-Bearing Walls in Modular Homes:** Perfect for modular or prefabricated housing solutions where lightweight materials are essential for structural integrity.
- **Healthcare Facility Interiors:** Our PSB boards are an excellent choice for hospitals and clinics, combining hygiene and aesthetics seamlessly. Since these boards are formaldehyde-free, they contribute to a healthier indoor environment, minimizing the risk of harmful emissions. This makes them ideal for spaces where patient safety and comfort are paramount. Their clean, modern appearance enhances the overall design of healthcare facilities while ensuring compliance with strict health standards. Choosing our PSB boards not only supports a safer atmosphere for patients and staff but also elevates the visual appeal of your interiors, making them a smart investment for any healthcare setting.
- **Exhibition and Trade Show Booths:** Ideal for constructing temporary structures that need to be lightweight, easy to transport, and quick to assemble.
- **Residential Renovations:** Useful in updating older homes with modern finishes for walls and ceilings while maintaining structural integrity.

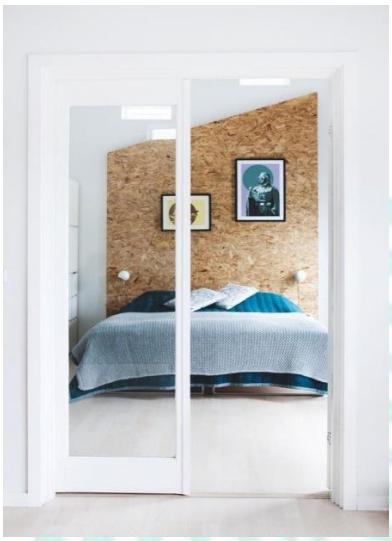
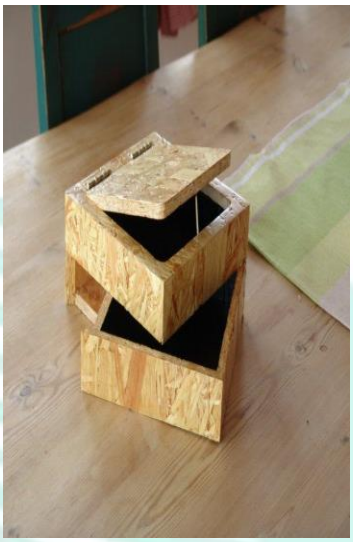
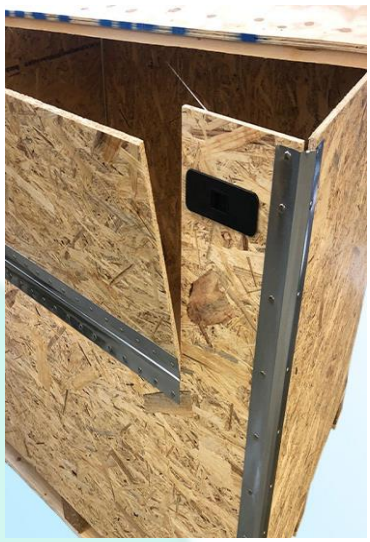

TABLE FOR TECHNICAL SPECIFICATION - PSB PRIME & ECO CORE PRIME

PSB PRIME & ECO CORE PRIME	TEST METHOD	UNIT	REQUIREMENT					
TESTINGS			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/mm^2	20	18	16	14	12	10
Bending strength - minor axis	EN 310	N/mm^2	10	9	8	7	6	5
Modulus of elasticity in bending - major axis	EN 310	N/mm^2	2500	2500	2500	2500	2500	2500
Modulus of elasticity in bending - minor axis	EN 310	N/mm^2	1200	1200	1200	1200	1200	1200
Internal bond	EN 319	N/mm^2	0.34	0.32	0.3	0.29	0.26	0.23
Swelling in thickness - 24 h immersion	EN 317	%	20	20	20	20	20	20