

PLYSET WATER AND MOISTURE RESISTANT

DESCRIPTION

-PLYSET is a water-resistant interior gypsum board with structural strength and durability above standards, enhanced durability through strong tapered edges, and the ability to adapt to movement.

APPLICATION AREA

-Used in partition wall, lining wall, and suspended ceiling applications in interior spaces where water resistance is required.

WARNINGS AND RECOMMENDATIONS

- It is recommended that gypsum boards be carried by two people with the long edge parallel to the ground.
- If transported by forklift, ensure that the forklift has sufficient carrying capacity and that the operator is licensed and experienced.
- Gypsum boards should never be leaned vertically.
- Boards to be applied must be dry and have a smooth surface. Boards exposed to poor storage conditions, moisture, or deformation should not be used.
- Boards with surface temperatures exceeding 50 °C during storage are not suitable for application.
- PLYSET water-resistant board should not be used as a waterproofing material.
- Applying rough plaster gypsum directly onto PLYSET water-resistant board is not recommended.

APPLICATION

- The metal framework for partition walls, lining walls, or suspended ceilings should be marked on the floor or ceiling according to the project plan.
- After measurement and marking, the metal framework should be assembled according to application conditions.
- Where cutting is required, gypsum boards should be cut from the front surface using a utility knife and straightedge. The knife must penetrate through the paper into the core. The board should then be bent in the opposite direction of the cut and the paper on the back surface cut to separate the pieces.
- After cutting, edges may be smoothed using a rasp.
- Artificial bevels should be formed at approximately a 45° angle on cut edges and non-tapered edges using suitable tools.
- This allows easier and smoother joint filler application.
- Boards must be fixed tightly without gaps at joints, and screws should be installed perpendicular to the board edges at least 10–15 mm away from the edges.
- In adhesive lining wall applications, gypsum boards are bonded to the existing wall using PLYSET Gypsum Board Adhesive Plaster.
- After fixing, screw heads and taped joints should be filled with three coats of PLYSET Gypsum Board Joint Filler.
- PLYSET Satin Finish Plaster should be applied at a maximum thickness of 1 mm (1 kg/m²) to prepare the surface for final coating.

REFERENCE STANDARD

- EN 520+A1

STORAGE

- Store in a dry and moisture-free environment on a flat surface without direct ground contact, protected from direct sunlight, outdoor weather conditions, and moisture.
- Place spacers under the boards parallel to the short edges, starting at a maximum of 10 cm from the edges and at intervals not exceeding 50 cm.
- Store a maximum of 6 pallets stacked on top of each other (maximum height 450 cm), ensuring spacers are aligned between pallets.

TECHNICAL SPECIFICATIONS

Nominal Thickness	9,5 mm	12,5 mm	15 mm	18 mm
Ortalama Ağırlık (kg/m ²)	≤ 8,00	≤ 9,50	≤ 12,00	≤ 14,50
Breaking Load in Bending Short Edge (N)	≥ 160	≥ 210	≥ 250	≥ 303
Breaking Load in Bending Long Edge (N)	≥ 400	≥ 550	≥ 650	≥ 774
Edge Type	Square Edge, Tapered Edge			
Thermal Conductivity (W/m.K)	0,25			
Total Water Absorption (%)	H1	≤ 5		
	H2	≤ 10		
	H3	≤ 25		
Yüzey Su Emme (g/m ²)	H1	< 180		
	H2	< 220		
	H3	< 300		
Water Vapor Resistance Factor (μ)	10			
Reaction to Fire Class	A2-s1-d0			

	Code	Width mm	Length mm	Packaging
9,5 mm	8911-H1	1200	2000	34-118
		1200	2200	34-118
		1200	2400	34-118
		1200	2500	34-118
		1200	3000	34-118
	8911-H2	1200	2000	34-118
		1200	2200	34-118
		1200	2400	34-118
		1200	2500	34-118
		1200	3000	34-118
	8911-H3	1200	2000	34-118
		1200	2200	34-118
		1200	2400	34-118
		1200	2500	34-118
		1200	3000	34-118
12,5 mm	8912-H1	1200	2000	26-90
		1200	2200	26-90
		1200	2400	26-90
		1200	2500	26-90
		1200	3000	26-90
	8912-H2	1200	2000	26-90
		1200	2200	26-90

		1200	2400	26-90	
		1200	2500	26-90	
		1200	3000	26-90	
	8912-H3	1200	2000	26-90	
		1200	2200	26-90	
		1200	2400	26-90	
		1200	2500	26-90	
		1200	3000	26-90	
15 mm	8913-H1	1200	2000	22-74	
		1200	2200	22-74	
		1200	2400	22-74	
		1200	2500	22-74	
		1200	3000	22-74	
	8913-H2	1200	2000	22-74	
		1200	2200	22-74	
		1200	2400	22-74	
		1200	2500	22-74	
		1200	3000	22-74	
	8913-H3	1200	2000	22-74	
		1200	2200	22-74	
		1200	2400	22-74	
		1200	2500	22-74	
		1200	3000	22-74	
	18 mm	8914-H1	1200	2000	18-62
			1200	2200	18-62
			1200	2400	18-62
1200			2500	18-62	
1200			3000	18-62	
8914-H2		1200	2000	18-62	
		1200	2200	18-62	
		1200	2400	18-62	
		1200	2500	18-62	
		1200	3000	18-62	
8914-H3		1200	2000	18-62	
		1200	2200	18-62	
		1200	2400	18-62	
		1200	2500	18-62	
		1200	3000	18-62	