

PLADUR® H1

01a04001EN - Rev. 07/2017



DESCRIPTION

Gypsum plasterboard. Formed by a **100% natural gypsum core with waterproofing treatment** and a special cellulose layer covering both sides. The waterproofing treatment decreases its capacity to absorb moisture, thereby reinforcing its resistance to the direct effects of water or moisture.

APPLICATIONS

- PLADUR® H1 board is used in indoor plasterboard construction systems in areas with controlled humidity levels, requiring special water absorption resistance: partition walls, continuous ceilings, wall linings (direct or independent) or decorative elements in bathrooms, toilets, kitchens, changing rooms, communal showers, etc.
- Suitable for use with PLADUR® steel structures or wooden structures(*).

(*) Essays on wooden structures are not suitable.

TECHNICAL SPECIFICATIONS

FEATURE	VALUE		
Colour	Face - Green Reverse - Dark Green		
Type of edge (Longitudinal)	TE (Tapered Edge)		
Thickness (mm)	12.5	15	18
Weight (kg/m ²)	8,6	11.5	16
Bending Strength (N)	Longitudinal		
	>600	>750	>1000
	Transversal		
	≥210	>260	>400
Thermal conductivity (λ) (W/mK)	≤0.25	≤0.25	≤0.25
Thermal resistance (m ² K/W)	0.05	0.06	0.07
Linear dilation (m/m °C)	15x10 ⁻⁶	15x10 ⁻⁶	15x10 ⁻⁶
Surface hardness (footprint) (mm)	Ø≤20	Ø≤20	Ø≤20
Air permeability [m ³ /(m ² .s.Pa)]	1.4x10 ⁻⁶	1.4x10 ⁻⁶	1.4x10 ⁻⁶
Water vapour permeability (resistance factor)	10	10	10
Water absorption in surface (g/m ²)	< 180		
Inmersión water absorption (%/total)	< 5%		
Reaction to fire	A2 s1 d0		
Standards / certifications	EN-520 		
Classification (as per EN-520)	H1		

BOARD RANGE (MM)

THICKNESS	LARGO x ANCHO
12.5	2000x800 / 2000x1200 / 2500x1200 / 2600x1200 / 3000x1200
15	2500x1200 / 2600x1200 / 2700x1200 / 3000x1200
18	2500x1200 / 2600x1200 / 2800x1200 / 3000x1200

TOLERANCES (AS PER EN-520)

- **Length:** +0 / -5 mm
- **Width:** +0 / -4 mm
- **Thickness:** ±0.4 mm

BOARD & PALLET PRINTING

- **Tapered area:** PLADUR® logo, type of board, type of edge, CE mark, certifications.
- **Edge:** EAN number, bar code, type of board, measurements, type of edge.
- **Reverse:** PLADUR®, type of board, placa yeso laminado, type of board per as standards, thickness, EN-520, type of edge, certification marks, reaction to fire, made in Spain, manufacturing date.
- **Pallet:** PLADUR® logo, NF logo, type of board, measurements, type of edge.



Stacking

THICKNESS	UNITS PER PALLET	OTHERS
12.5	42, 48 or 50 ⁽¹⁾	Boards are stacked over flax supports. The number of supports varies, depending on the boards thickness and length.
15	36	
18	28	

INSTALLATION

- The regulations and laws applicable in the territories where the materials are installed must be followed at all times.
- For any queries regarding the recommendations from Yesos Ibéricos for the installation or for technical support, please write to info@pladur.com.

(1) 2000 x 800: 48 units per pallet.
 2000 x 1200: 50 units per pallet.
 Others: 42 units per pallet.



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FINISHING & DECORATION

- PLADUR® H1 board must be finished using the PLADUR® range of jointing materials (compounds and paper joint tapes) to produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration. Ensure the joints are treated before painting the surface. Likewise, always use PLADUR® Bonding Compounds when repairing any minor damage to the board.
- Apply primer first and leave to dry before painting, texturing or wallpapering, so that the board and the compound's absorption capacities are the same. Please follow the manufacturers' instructions carefully during application.
- Any decoration work should be carried out as quickly as possible once the finishing processes have been completed (joint and screw treatment) to avoid rust appearing on the board's surface. Apply a primer over the board's entire surface to prevent rust stains and discolouration.
- Ensure that the area is well ventilated, as air flow will minimise any humidity problems.
- Use of dehumidifiers may be required if there are high environmental humidity levels in the area.
- Follow the instructions of the manufacturers that made the decorative materials carefully.
- For information on finishing levels of ceilings and partitions, please visit www.plasterboardfinishing.com.

PRECAUTIONS

- PLADUR® can only guarantee the results achieved in our tests or set out in our estimates and technical documents if original PLADUR® products (board, metal profiles, compounds, screws and accessories) are used together.
- Do not leave boards that have been installed but not decorated yet exposed to sunlight for extended periods of time. Use a primer specifically designed for plasterboards to avoid the appearance of rust stains on the surface of boards kept in such conditions.
- The area should be well ventilated, to avoid condensation that could damage the boards.
- For detailed information on your safety, please check the product's MSDS at www.pladur.com.

STORAGE & HANDLING

- Always stack the boards horizontally, on a flat and dry surface, indoors and protected from sunlight and rain. Pallets should be stacked by forming stable and perfectly vertical piles
- Keep the boards upright during installation, taking care to avoid any impacts against other objects that could cause damage. When moving the boards manually, they should be kept in a horizontal position and always handled by at least two people, if no mechanical resources are available. A single individual should not handle a product or set of products that individually or together exceed 25 kg. If the product weighs more, it should be handled by more than one person or using mechanical elements.
- When boards are transported on forklifts, the forks should be as wide open as possible.
- The boards can be cut using a plasterboard saw or manually, by marking a line with a sharp blade (cutter) and then bending the board across that line. Mechanical protection gloves should be worn. Follow the manufacturers' instructions carefully when using mechanical tools.

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Central Offices and Factory in Valdemoro-Madrid
Laminated plasterboards, Transformations,
Profiles and Adhesive Compounds

This document is provided as a guideline only and refers to installations and applications based exclusively on the use of PLADUR® materials in accordance with the specifications contained herein. Any use or installation based on PLADUR® materials that does not follow the recommendations and parameters set out in this document must be confirmed with the Yesos Ibéricos S.A Technical Department first. PLADUR® is a registered trademark belonging to Yesos Ibéricos, S.A. Published July 2015. This publication is considered valid save for any typographic or transcription error. All rights reserved, including the incorporation of improvements or amendments.

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