

PLADUR® N

01a01001EN - Rev. 10/2015



DESCRIPTION

Gypsum Plasterboard. Formed by a **100% natural gypsum core** with a special cellulose layer covering both sides

APPLICATIONS

- PLADUR® N(*) is used in indoor plasterboard construction systems that have no special requirements: partition walls, continuous ceilings, wall linings (direct or independent) or decorative elements.
- Recommended for use with PLADUR® steel structures or wooden structures(**).
- Not suitable for areas that are permanently humid or partitions containing water ducts/pipes.

(*) Depending on the territory where the boards are installed thickness of 6.5 and 9.5 mm might be only suitable for laminated decorative units with no resistance requirements. Also PLADUR® N boards with thicknesses of 6.5, 9.5 and 12.5 mm might not be suitable for vertical or horizontal units formed by a single board, irrespective of the load-bearing structure. At least two boards must be used for each side of the partition when installing normal or curved decorative units or elements. Follow the regulations and laws applicable in each country at all times.

(**) Essays on wooden structures are not suitable.

TECHNICAL SPECIFICATIONS

FEATURE	VALUE				
Colour	Face - Light Grey Reverse - Brown (Kraft)				
Type of edge (Longitudinal)	TE (Tapered Edge)				
Thickness (mm)	6.5	9.5	12.5	15	18
Weight (kg/m ²)	5.8	7.8	8.7	10.6	13.8
Bending Strength (N)	Longitudinal				
	≥280	≥400	>600	>750	>1000
	Transversal				
	≥110	≥170	≥210	>260	>400
Thermal conductivity (λ) (W/mK)	≤0.25	≤0.25	≤0.25	≤0.25	≤0.25
Thermal resistance (m ² K/W)	0.03	0.04	0.05	0.06	0.07
Linear dilation (m/m °C)	15x10 ⁻⁶	15x10 ⁻⁶	15x10 ⁻⁶	15x10 ⁻⁶	15x10 ⁻⁶
Minimum curve radius (mm)	600	1000	1500	-	-
Surface hardness (footprint) (mm)	Ø≤20	Ø≤20	Ø≤20	Ø≤20	Ø≤20
Air permeability [m ³ /(m ² .s.Pa)]	1.4x10 ⁻⁶	1.4x10 ⁻⁶	1.4x10 ⁻⁶	1.4x10 ⁻⁶	1.4x10 ⁻⁶
Water vapour permeability (resistance factor)	10	10	10	10	10
Reaction to fire	A2 - s1, d0				
Standards / certifications	EN-520 				
Classification (as per EN-520)	A				

BOARD RANGE (MM)

THICKNESS	LONG X WIDTH
6.5	3000 x 1200
9.5	2500x1200 / 3000x1200
12.5	2000x600 / 2500x600 / 2000x800 / 2000x1200 / 2500x1200 / 2600 x 1200 / 2700 x 1200 / 2800x1200 / 3000x1200 / 3200x1200
15	2000x1200 / 2500x1200 / 2600x1200 / 2700x1200 / 2800x1200 / 3000x1200
18	2500x1200 / 2600x1200 / 2800x1200 / 3000x1200

TOLERANCES (AS PER EN-520)

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

(*) Tolerances of the board 6.5 mm. thick: +4/2,5 mm (length) and +2 /-3 mm (width). Thickness tolerances of the board 18 mm thick: ±0,4 x thickness.

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
6.5	66	Boards are stacked over flax supports. The number of supports varies, depending on the boards thickness and length.
9.5	54	
12.5 (1200 mm)	42 / 50 ⁽¹⁾	
12.5 (800 mm)	48	
12.5 (600 mm)	96	
15	36	
18	28	



01a01001EN - Rev. 10/2015

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.

FINISHING & DECORATION

- PLADUR® 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 stain son 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, in doors 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.

Customer Service
+34 902 023 323
info@pladur.com
www.pladur.com



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.

Pladur®
Makes it a reality