

# PLADUR® A1

01a03001EN - Rev. 10/2015



## DESCRIPTION

Gypsum plasterboard. Formed by a **100% natural gypsum and fibreglass core**, with a continuous fleece in a fibreglass mesh covering both sides. The fibreglass added to the core and the covering increases the board's fire resistance.

## APPLICATIONS

- PLADUR® A1 board is used in indoor plasterboard construction systems that require preventative fire protection (A1 fireproofing) and greater fire-resistance (EI): partition walls, continuous ceilings, wall linings (direct or independent) or decorative elements.
- The board may also be used to protect load-bearing structures (R) from fire, ventilation ducts or electrical ducts.
- Suitable for use with PLADUR® steel structures.
- Not suitable for places that are permanently humid or partitions containing water ducts/pipes.

## TECHNICAL SPECIFICATIONS

| FEATURE                                 | VALUE  |                     |
|---|--|---------------------|
| Colour                                  | Face - Grey-Whitish<br>Reverse - Brown (Kraft) |                     |
| Type of edge (Longitudinal)             | TE (Tapered Edge)                              |                     |
| Thickness (mm)                          | 12.5   | 15                  |
| Weight (kg/m <sup>2</sup> )             | 11   | 13                  |
| Bending Strength (N)                    | Longitudinal                                   |                     |
|   | >600   | >750                |
|   | Transversal                                    |                     |
|   | ≥210   | >260                |
| Thermal conductivity (λ) (W/mK)         | ≤0.25  | ≤0.25               |
| Thermal resistance (m <sup>2</sup> K/W) | 0.04   | 0.04                |
| Linear dilation (m/m °C)                | 15x10 <sup>-6</sup>                            | 15x10 <sup>-6</sup> |
| Surface hardness (footprint) (mm)       | Ø≤15   | Ø≤15                |
| Reaction to fire                        | A1   |                     |
| Standards / certifications              | EN-15283<br>                                   |                     |
| Classification (as per EN-15283)        | I  |                     |

## BOARD RANGE (MM)

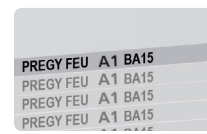
| THICKNESS | LONG X WIDTH |
|-----------|--------------|
| 12.5      | 3000x1200    |
| 15        | 3000x1200    |

## TOLERANCES (AS PER EN-520)

- **Length:** +0 / -5 mm
- **Width:** +0 / -4 mm
- **Thickness:** ±0.7 mm

## BOARD & PALLET PRINTING

- **Tapered area:** Pregyplac, type of board, thickness, reaction to fire.
- **Edge:** Pregyplac, type of board, thickness.
- **Reverse:** Lafarge Logo, Pregyplac board type, thickness, applicable standard, manufacturing date, Lafarge, type of board as per standards, CE mark, reaction to fire, certifications, Lafarge Pregyplac, thickness.
- **Pallet:** Pregyplac, type of board, thickness.



## Stacking

| THICKNESS | UNITS PER PALLET | OTHERS  |
|-----------|------------------|---|
| 12.5      | 32               | Boards are stacked over flax supports. The number of supports varies, depending on the boards thickness and length. |
| 15        | 26               |   |

## 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@uralita.com](mailto:info.pladur@uralita.com).



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## FINISHING & DECORATION

- PLADUR® A1 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](http://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](http://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.

Customer Service  
**+34 902 023 323**  
[info@pladur.com](mailto:info@pladur.com)  
[www.pladur.com](http://www.pladur.com)



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

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Makes it a reality