

# Light Rey Gypsum Board



# Gypsum Board Light Rey

## Description

The Panel Rey Light Rey® light Gypsum board is a product that consists of a fireproof core made essentially of plaster covered on both sides with 100% recycled paper. The paper on the face covers the entire length of the tapered edges of the board for greater strength and protection of the core. The edges are carefully ground in a square cut. Light Rey® Gypsum board is offered in a variety of lengths and standard thicknesses for use in construction and has the following advantages:

- Lighter than a Regular 1/2" board.
- Complies the performance of boards for walls and ceilings.
- It can be installed as a ceiling provided the accessories are installed at a distance between clips of more than 24" (61 cm) O.C.
- Easy and quick to install thanks to their low weight.
- Allows clean cutting and sanding.

As well as the capacity to receive different types of finishings. Panel Rey products do not contain asbestos.

## Basic Applications

Light Rey® Gypsum board is used as a material to cover and protect newly-built or refurbished walls and ceilings, thus avoiding the use of two types of different products for each application. It is designed to be fixed directly to wooden mounts metal or even to already existing surfaces with screws, nails or adhesives.

- 1/2" thickness – Recommended for single-layer applications in residential constructions. Used on dividing walls and as a board for ceilings where excellent performance in resistance to the inflection caused by humidity is required.

## Limiting factors

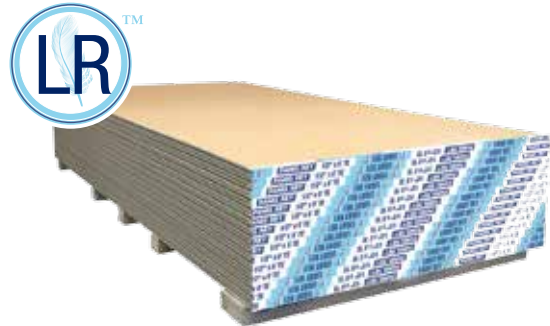
Regular Gypsum boards are designed for interior use only. Avoid exposing them to temperatures greater than 52°C caused by burners, ovens or heaters. Avoid exposing them to excessive or continuous humidity before, during and after installation: for example in pools, saunas or steam rooms and eliminate sources of humidity immediately. The boards are not structural elements and should not be used as base for screws or nails. The spacing between profiles should not exceed 24" (61 cm) O.C.

## Handling and Storage

Gypsum boards do not generate or encourage the growth of mold and fungi when they are stored, transported, handled and installed in conditions of low humidity.

They should be stored in an area that protect the from inclement weather. In transit, they must be protected from damages from collision and/or inclement weather. The plastic bags that cover the boards are designed to protect them only while in transit and should be withdrawn immediately on the arrival and unloading of the product; otherwise conditions favorable for the growth of molds and fungi may appear.

Do not store the board directly in contact with the floor, sufficient blocks should be placed to provide adequate support along the length of the board so as to avoid the warping of the material. Special care should be taken not to damage or mistreat the edges of the product in excess in order to ensure a better installation. Gypsum boards should always be stored horizontally, never on their edges or ends because it position is unstable and there will be a risk of accidents, as well as damage to the material.



Cintilla para identificación de panel.

## Best Installation Practices

**Installation:** The work temperature should be kept below 10°C for the application of adhesives onto the Gypsum board during the assembly of joints, texturizing and decoration. Correct ventilation is necessary in the work area for the optimum conditioning of the material.

**Decoration:** The designer, contractor or owner should read the Gypsum Association bulletin GA-214 "Recommended Levels of Gypsum Board Finish" to select the appropriate level of finishing and to be able to obtain the result desired. All the surfaces should be clean and free of dust and grease. Allow adequate drying in the assembly of joints as established in the Gypsum Association bulletin GA-236 "Joint Treatment Under Extreme Weather Conditions".

To match the porosity between the surface of the paper and the composite, the surface should be treated and sealed with a primer before texturizing and finishing. The paints and derivative systems should be applied in accordance with the recommendations and requirements provided in the appendices of standard ASTM C840.

Installation on Ceilings			
Layers of Board	Spacing	Installation Direction	Maximum insulation weight
I	24" (61 cm) O.C.	Parallel or Perpendicular	2.2 lb/ft <sup>2</sup>

To improve the finishing of walls and ceilings in places with severe exposure to artificial or natural light, or where gloss paint is to be applied, a light coat layer of composite should be applied to the entire surface. This is to reduce the difference of humidity absorption and texture between the paper and the composite. In addition, the application of a sealant or primer is recommended before painting.

## Applicable standards

Manufacturing: ASTM C1396  
ASTM C473

Installation: ASTM C840  
GA-214  
GA-216  
GA-236

Surface characteristics against Fire: ASTM E-84  
Flame Propagation 0  
Smoke Generation 0

## Fire Resistance

The fire resistance desired for designs of assemblies is established by tests conducted in independent laboratories. These designs are constituted of specific materials to an exact configuration. When designs are chosen to comply with certain fire resistance performance standards, each component of the design selected must be ensured as being as specified in the test and that all the materials have been assembled in accordance with the requirements.

## Product Information

Nominal Dimensions				
Gage	Width	Length*	Type of Edge	Thermal resistance "R"
1/2" (12.7mm)	4' (1219mm)	8' - 12' (2438mm - 3658mm)	Tapered	0.45

\*Special lengths are available on special order. Restrictions apply.

Physical Characteristics								
Characteristics	Weight	Resistance to the Parallel	Resistance to the Perpendicular	Nail Pull	Core Hardness	Edge Hardness	Tapered Edge Depth	Humidified Deflection Walls / Ceilings
UNITS	kg/Pc 4x8 lb/SF	Lb <sub>f</sub>	Lb <sub>f</sub>	Lb <sub>f</sub>	Lb <sub>f</sub>	Lb <sub>f</sub>	in/1000	in
1/2"	18.9-20.3 1.3-1.4	≥ 36	≥ 107	≥ 77	≥ 11	≥ 11	20 a 90	1.25 / 0.313
ASTM	N/A	C473	C473	C473	C473	C473	C473	C473

The product complies with or exceeds the specifications established in standard ASTM C1396 for use on walls and ceilings.



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