



Regular Gypsum Board



Gypsum Board **REGULAR**

Description

Panel Rey's Regular Drywall is a product with a fireproof core essentially made of gypsum and covered in both sides with 100% recycled paper. The paper on the face covers the beveled edges to strengthen and protect the core. The ends are carefully grinded in square cut. The Panel Rey® standard drywall is offered in a wide variety of standard lengths and thicknesses to be used in the construction field and has the good characteristic of being cost-effective, fast, clean and safe to install; as well as the capacity to be used with different types of finishing. Panel Rey® products do not contain asbestos.



Gypsum Brand Tag

Basic Applications

Panel Rey® Regular Drywall is used as a material that covers and protects walls and ceilings in new construction sites or in remodeling works. It is designed to be fixed with screws, nails or adhesives directly on wood, metal or already existing surfaces.

3/8" Thick – Light Drywall mainly used in wall systems with double coat, as well as repair and remodeling projects. It can be easily molded in curved surfaces.

1/2" Thick – Recommended for the application of one coat in residential constructions. It is mainly used in dividing walls.

5/8" Thick – Recommended for the applications trying to reduce acoustic and thermal transmission, in comparison with standard core drywalls with other thicknesses.

Limitations

Regular drywall is designed to be used exclusively in interiors. Avoid exposure to temperatures higher than 50° C, for example, close to burners, furnaces or heaters. Also, avoid exposure to excessive or continuous moisture, before, during, and after its installation, for example close to pools, saunas or steam rooms. Eliminate moisture sources immediately. Drywalls are not a structural element and must not be used as bases to put a screw or nail on them. The gap between walls and the ceiling must not exceed the recommendations specified in the ASTM C-840 standard.

Handling and Storage

Drywalls do not generate nor cause the growth of mould and fungi when they are properly transported, stored, handled, installed and preserved. Drywalls must be always dry to prevent the development of microorganisms. It must be stored in an area where it is protected from the inclemency of the weather, even where there is work in process.

When transported, it must be protected with a proper cover that is in good condition. The plastic bags that cover the drywall are designed to protect it during its transportation and must be removed once the product arrives and it is unloaded, otherwise it can caused favorable conditions for the growth of mould and fungi.

Do not store drywall on the ground. Sufficient shoe horns must be used to provide the required support and avoid the material to be bulged. Have especial care to avoid damage in the edges of the product and assure a better installation work. Drywall must be always loaded laid down, never on its edges or ends since it is not a stable position and there would risk of accident.

Good Installation Practices

Installation: Work temperature must be not less than 10° C for the application of adhesives on the drywall when treating joints, texturing and decoration. Proper ventilation in the work area is required.

Curved Surfaces: To apply a drywall on a curved surface, fix one of the ends of the drywall and gradually push the other end of the same, pushing the core against the frame until the desired curve is reached. To get lower radii than the ones shown in the table below, moisten the front and back of the drywall with water, allowing the core to be moistened for not less than 1 hour. When the drywall is dry it will be hard as before.

Drywall Inflection Radios		
Thickness	Longitudinal Flexion	Transversal Flexion
3/8" (9.4 mm)	7' - 6" (2286 mm)	25' - 0" (7620 mm)
1/2" (12.7mm)	10' - 0" (3048 mm)	-
5/8" (15.9mm)	15' - 0" (4572 mm)	-

Decoration: The designer, contractor or proprietor must refer to the Gypsum Association Journal GA-214-97 "Recommended Levels of Gypsum Board Finish" to select the appropriate level of finishing and get the desired result. All surfaces must be clean, free of dust and grease. For porosity between the surface of the paper and the compound to be smooth, it must be treated and sealed with a primer before the final texturing or finishing.

Applicable Standards

Manufacture:	ASTM C-1396 Section 5 (C-36) ASTM C-36 pursuant to ASTM C-473
Installation:	ASTM C-840
Surface Burning Characteristics:	ASTM E-84 Flame spread 0 Smoke developed 0

Fire Resistance

The fire resistance performance desired in joint designs is determined by tests made in independent laboratories. These designs are formed by specific materials under a precise configuration. When designs are chosen to meet certain fire resistance standards, make sure each component of the selected design is the one specified in the test and that all material has been assembled pursuant to the requirements.

Product Data

Dimensiones Nominales					
Thickness	Width	Length*	Edge Type	Thermal Resistance "R"	
3/8" (9.4 mm)	4' (1219mm)	8' (2438mm - 3658mm)	Beveled	0.33	
1/2" (12.7mm)	4' (1219mm)	8' - 12' (2438mm - 3658mm)	Beveled	0.45	
5/8" (15.9mm)	4' (1219mm)	8' - 12' (2438mm - 3658mm)	Beveled	0.48	

* Special lengths are available under request. Some restrictions apply.

Physical Properties										
Properties	Weight	Flexural Strength (Parallel to fiber)	Flexural Strength (Across to fiber)	Nail Pull Resistance	Core Hardness	Edge Hardness	Nominal Thickness	Tapered Edge Depth (Max-Min)	Length	End Squarness
UNITS	kg/Pz 4x8 lb/MSF	Lb _f	Lb _f	Lb _f	Lb _f	Lb _f	in/1000	in/1000	in	in
ASTM 3/8"	N/A	30	80	60	15	15	375 ±16	20 a 90	Nom ± 0.25	±0.13
3/8"	19 1350	42	113	92	29	26	380	80	±0.01	±0.06
ASTM 1/2"	N/A	40	110	80	15	15	500 ±16	20 a 90	Nom ± 0.25	±0.13
1/2"	23.1 1590	52	155	84	26	26	493	80	±0.01	±0.06
ASTM 5/8"	N/A	50	150	90	15	15	625 ±16	20 a 90	Nom ± 0.25	±0.13
5/8"	32.9 2268	77	202	110	35	28	623	80	±0.01	±0.06



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