

Regular Gypsum Board



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Description

Panel Rey's Regular drywall is a product with a fireproof core essentially made of gypsum. The drywall is covered on both sides with 100% recycled paper. The paper, on the front, covers the beveled edges to strengthen and protect the core. The ends are square cut and finished smooth. Panel Rey Fire Resistant Drywall is offered in a wide variety of standard lengths and thickness. Panel Rey products do not contain asbestos.



Gypsum Brand Tag

Basic Applications

Panel Rey Regular drywall is used to cover and protect walls and ceilings in residential projects. This product is designed to be fixed with screws, nails or adhesives directly on wood, metal or already existing surfaces. If joints are treated, the drywall will prevent smoke from passing through it.

3/8" Thick – Light drywall mainly used in wall systems with double coats, as well as for repair and remodeling projects. It can be easily moulded to curved surfaces.

1/2" Thick – Recommended for the application of one coat mainly on dividing walls.

5/8" Thick – Recommended for the applications looking for a higher fire resistance combined with a reduction of acoustic transmission.

Limitations

Regular drywall is designed to be used exclusively in interiors. Avoid exposure to temperatures higher than 125° F/ 52° 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. Drywall is not a structural element and must not be used as basis of a nailing base. The gap in the ceiling frames must not exceed the recommendations specified in the ASTM C-840 standard.

Handling and Storage

Drywall does not generate or support the growth of mold when it is properly transported, stored, handled, installed, and maintained. However, mold spores are present everywhere and when conditions are favorable, mold can grow on practically any surface. Observing these guidelines will help minimize the potential for mold growth on gypsum board. DRYWALL MUST BE KEPT DRY to prevent the growth of mold. When transported, gypsum board must be protected during transit with a weather-tight cover in good condition. Plastic shipping bags are intended to provide protection during transit only and must be promptly removed upon arrival of the load. Failure to remove the shipping bag can increase the likelihood of developing conditions favorable to the growth of mold. For storage, gypsum board must be stored in an area that protects it from adverse weather conditions, condensation, and other forms of moisture. Do not store gypsum board on the ground. Proper risers must be used to provide the required support and avoid the material from sagging. Special care should be taken to avoid damages on the board edges, ends and corners of the product.

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

Manufactured:	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

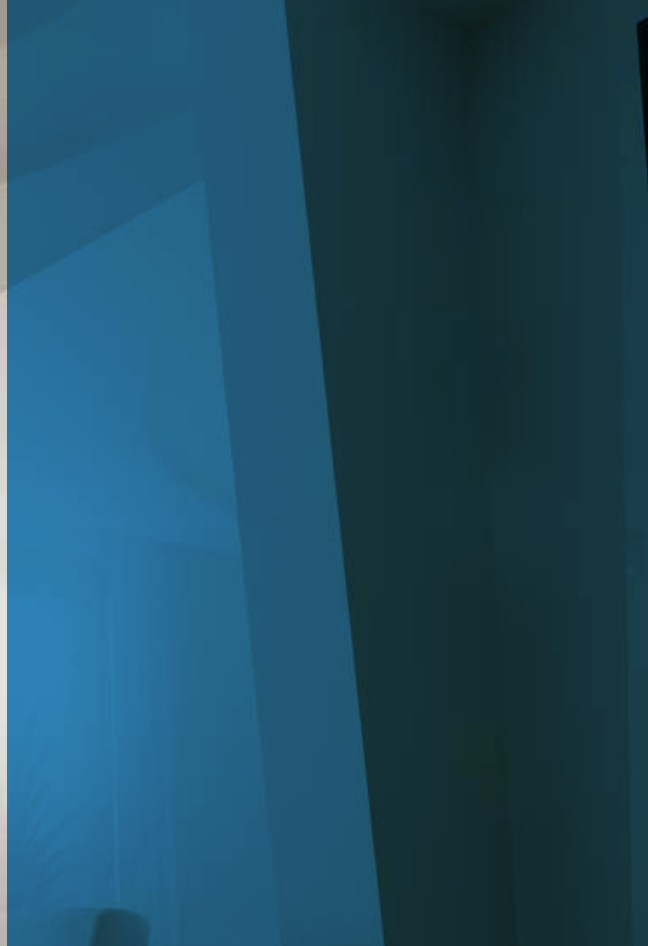
The fire resistance performance desired in joint designs is determined by tests made in independent laboratories. These designs are formed by specific materials under a precise configuration. When designs are chosen to meet certain fire resistance standards, make sure each component of the selected design 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



For more information contact us:

Customer Service USA
1 800 862 9022

Phone
+52 (81) 8345-0055

E-mail
contact.us@gpromax.com

Web Site
www.panelrey.com

Panel Rey S.A.
Serafin Peña #935 Sur Col. Centro
Z.C. 64000 Monterrey, N.L.

