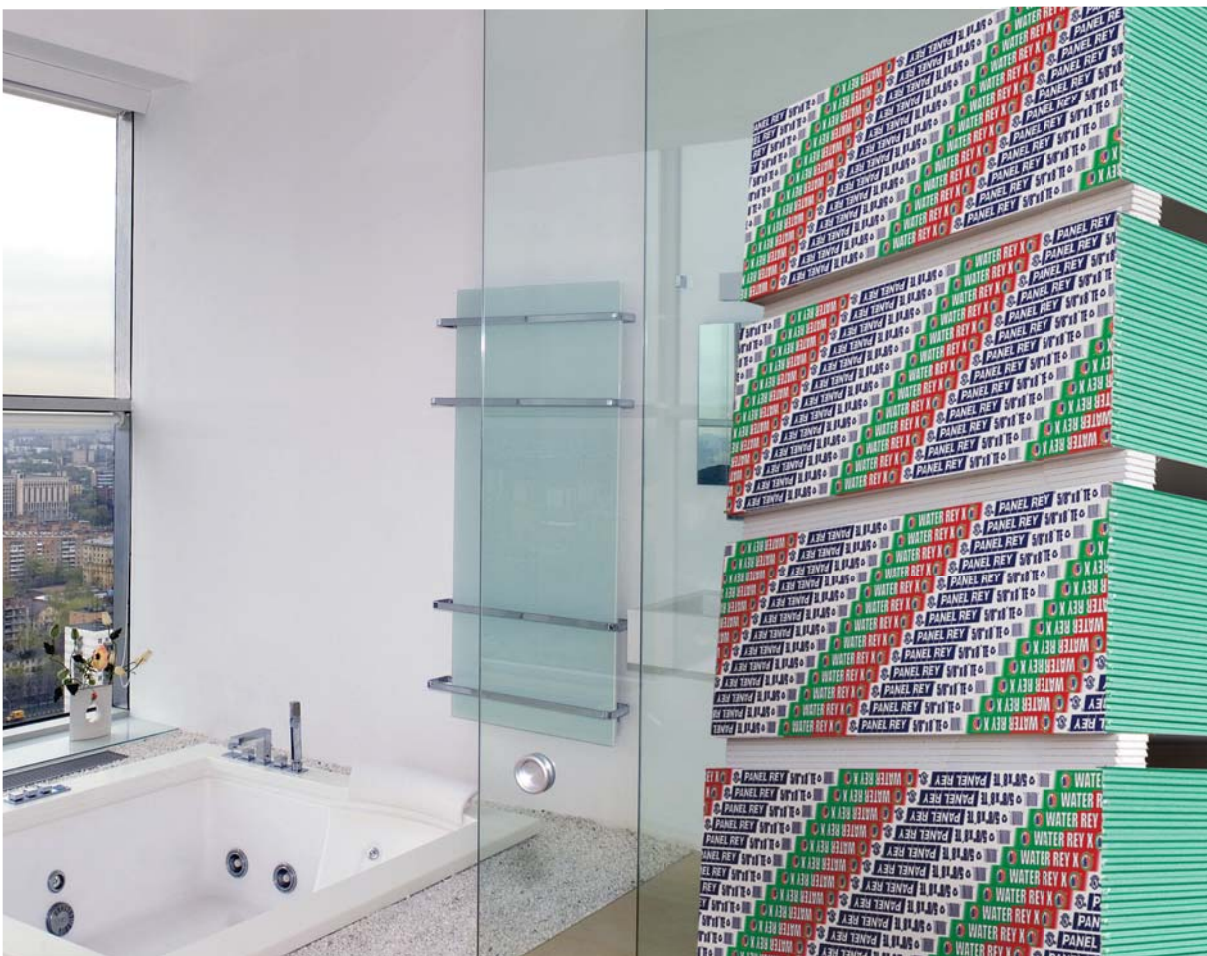


Moisture and Fire Resistant Drywall



Gypsum Board WATER REY X

Description

The Moisture and Fire Resistant Drywall from Panel Rey® is a product designed to be installed on the outside of wall frames or frames, under other materials for indoor applications such as wood, metal, stucco, among others with limited exposure to water.

The Moisture and Fire Resistant Drywall 5/8" from Panel Rey® is classified by Underwriters Laboratories, Inc. pursuant to ASTM E-119 and ASTM E-84 standards. This product has a fireproof core essentially made of natural gypsum and especially treated to be waterproof. The core is reinforced with high-temperature resistant fibers and additives that make the product stronger while being fire resistant to withstand the effects of high humidity and moisture.



Gypsum Brand Tag

Both of its sides are covered with recycled paper. The paper, in the front, covers the beveled edges to strengthen and protect the core. The ends are carefully grinded in square cut. The Moisture and Fire-Resistant Drywall from Panel Rey® comes in a variety of standard lengths to be used in various assemblies. Panel Rey® products do not contain asbestos.

Basic Applications

The Moisture and Fire Resistant Drywall from Panel Rey® is used as a surface for the application of adhesives for ceramic or plastic tile in wet areas, such as around tubs and showers, in bathrooms, kitchens, laundry rooms, and maintenance rooms. This product not only can be used as a surface to be covered with tile, but also reach the joints. This material is used to cover and protect walls and ceilings in residential and commercial jobs. It is designed to be fixed with screws, nails or adhesives directly on wood, metal or already existing surfaces. If joints are coated, this gypsum drywall prevents smoke from trespassing.

Limitations

The Moisture and Fire Resistant Drywall designed to be used exclusively indoors. 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 surfaces to put a screw or nail on them. The gap in the ceiling frames must not exceed the recommendations specified in the ASTM C-840 standard (for a Fire-Resistant Drywall, 16" o/c when applied parallel to the frame and 24" when applied perpendicularly).

Handling and Storage

Drywall does not generate nor cause the growth of mould and fungi when they are properly transported, stored, handled, installed and preserved. Drywall 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 covering the drywall are designed to protect it during its transportation and must be removed once the product arrives to destination and it is unloaded. Not doing so can develop favorable conditions for the growth of mould and fungi.

Do not place 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 not be 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.

Decoration: The designer, contractor or owner 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 and dust and grease free. 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)

Installation: ASTM C-840
 Surface Burning Features ASTM E-84
 Flame spread 0
 Smoke developed 0

Fire Resistance

The fire resistance performance desired in joint designs is determined by tests made by 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 per the requirements.

Product Data

Nominal Dimensions					
Thickness	Width	Length*	Edge Type	Type Accord to UL	Thermal Resistance "R"
5/8" (15.9mm)	4'(1219mm)	8' - 12' (2438mm - 3658mm)	Beveled	RHX	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 Squariness	Core Water Absorption
UNITS	kg/Pz 4x8 lb/MSF	Lb _f	Lb _f	Lb _f	Lb _f	Lb _f	in/1000	in/1000	in	in	%
ASTM 5/8"	$\frac{33}{2250}$	≥ 46	≥ 147	≥ 87	≥ 15	≥ 15	$\frac{625}{\pm 16}$	20 a 90	Nom ± 0.25	0 ± 0.13	≤ 5

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Fire Resistance Classification Type RHX
 Surface Burning Characteristics
 Flame Spread 0
 Smoke Developed 0

See UL Directory of Products Certified for Canada and UL Fire Resistance Directory



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.