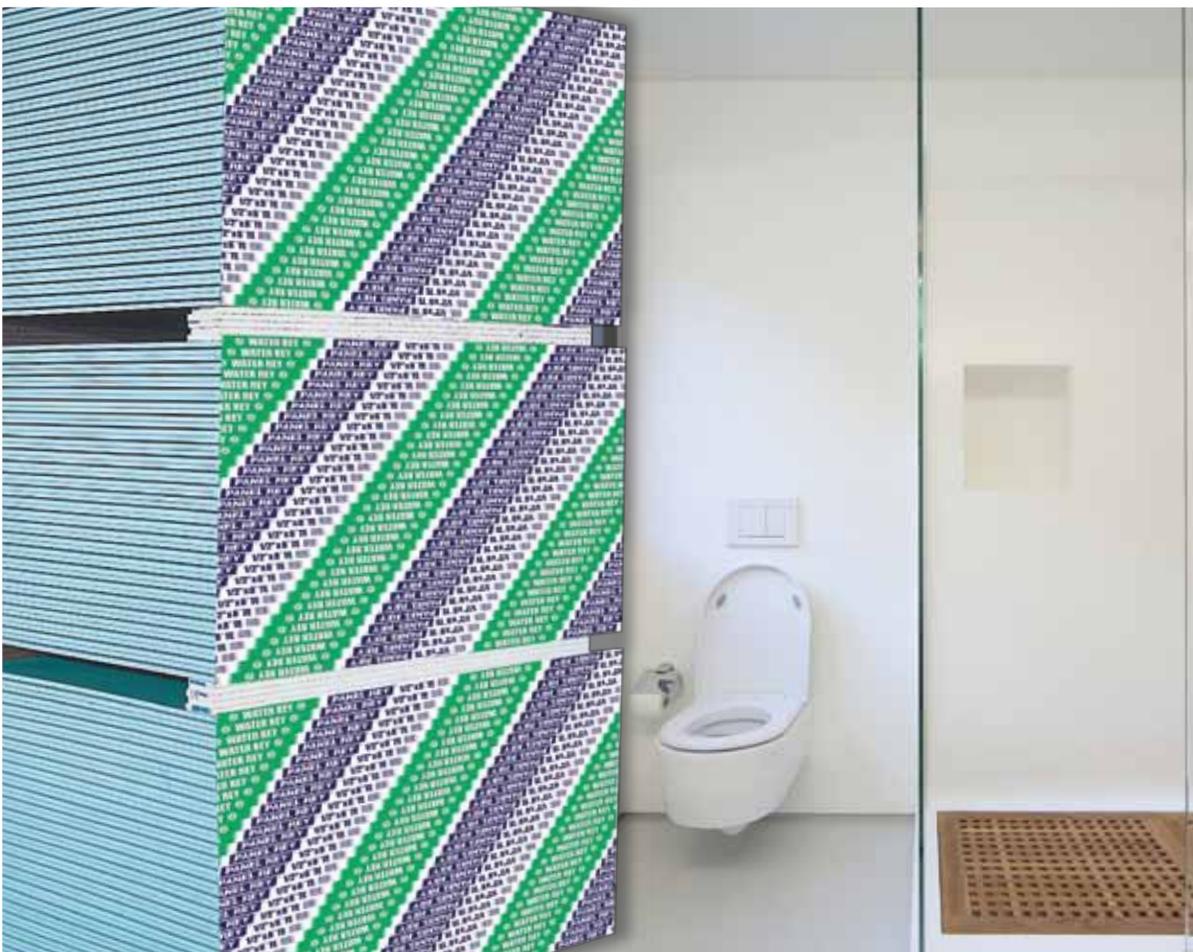


Water Rey Gypsum Board



Gypsum Board WATER REY

Description

Panel Rey's Water Resistant Drywall is a product specially processed to provide a base surface on the application of adhesives for ceramic or plastic tiles in limited moisture exposed areas such as close to a bathtub and shower, in sinks, dressing rooms, kitchens, laundry rooms and maintenance rooms. Water Resistant Drywall is formed by a fireproof core essentially made of gypsum that was treated to be waterproof, covered in both sides with 100% recycled paper to resist moisture.

Green paper, in the front, covers the beveled edges to strengthen and protect the core. The ends are carefully grinded in square cut. Water Resistant Drywall 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® Water Resistant Drywall is used as a surface for the application of adhesives for ceramic or plastic tiles in moisture exposed areas such as close to a bathtub and shower, in sinks, dressing rooms, kitchens, laundry rooms and maintenance rooms. This product can be extended beyond the area to be covered by tile and being treated as in the regular wood joints. It is designed to be fixed with screws, nails or adhesives directly on wood, metal or already existing surfaces. If joints are coated, this drywall prevents smoke from passing through it.

1/2" Thick – Recommended for the application of one coat in residential constructions.

5/8" Thick – Recommended for the applications trying to reduce acoustic and thermal transmission.

Limitations

Water Resistant 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. It is not the best choice to be used in ceilings of exterior applications like garages or porches. The gap in the ceiling frames must not exceed the recommendations specified in the ASTM C-840 standard (12" o/c when using 1/2" and 16" o/c for 5/8" of Moisture Resistant Drywall). In the case of dividing walls, do not exceed a gap of 24" o/c. Keep a gap of 1/4" between the edge or end and the horizontal floor where water can accumulated. It is convenient to use the "J" edge. Do not use drywall fixed to a frame by means of adhesive as a base for the application of ceramic or plastic tile.

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. Do not apply joint compound on nails and screws heads that will be decorated with tile, but cover with the same adhesive used for decoration. Standard drywall can be used as base for the application of tiles on dry areas.

Decoration: For an area outside the decoration with tiles, 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. Consider that the surface of the Moisture Resistant Drywall absorbs a lower amount of water than any other type of drywall.

Applicable Standards

Manufacture: ASTM C-1396 Section 7 (C-630)
 ASTM C-630 pursuant to ASTM C-473
 Installation: ASTM C-840

Fire Resistance

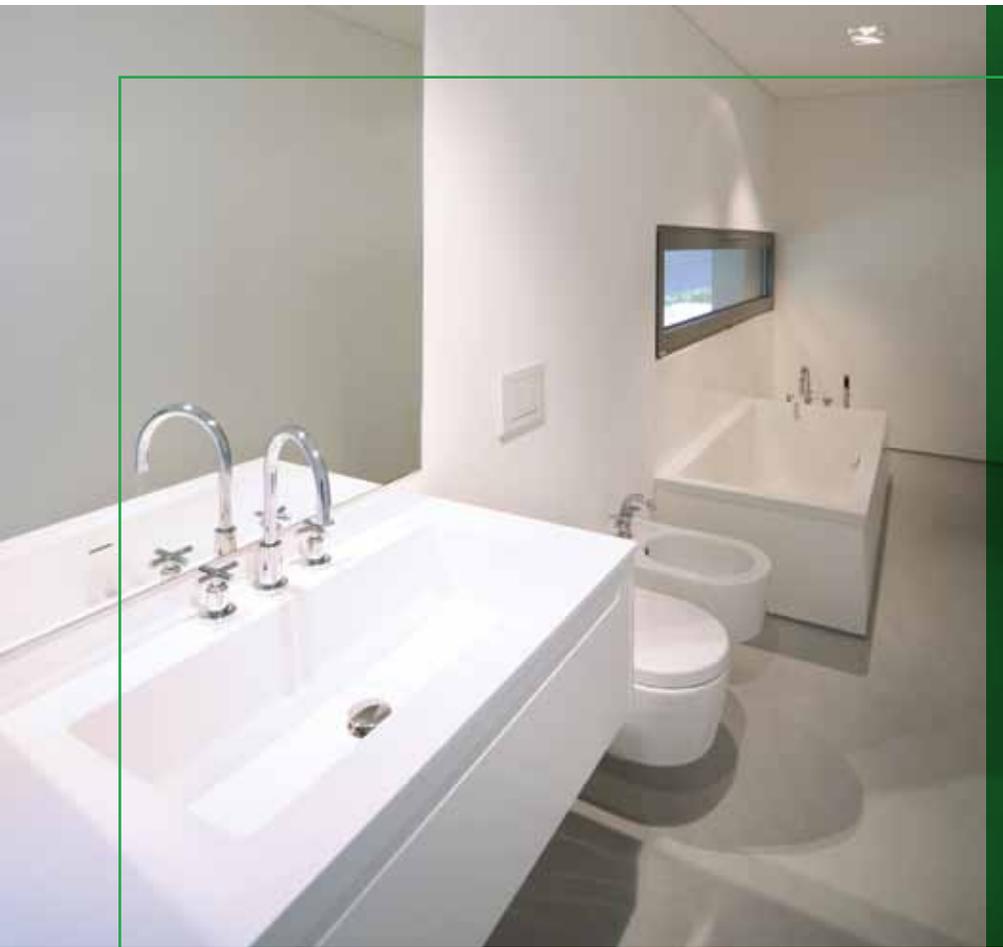
The fire resistance performance desired in joint designs is determined by tests made in independent laboratories. These designs are formed by specific materials under a precise configuration. When designs are chosen to meet certain fire resistance standards, make sure each component of the selected design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

Product Data

Nominal Dimensions				
Thickness	Width	Length*	Edge Type	Thermal Resistance "R"
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	Tapared Edge Depth (Max-Min)	Length	End Squerness	Core Water Absorption	Surface Water Absorption
UNITS	kg/Pz 4x8 lb/MSF	Lb _f	Lb _f	Lb _f	Lb _f	Lb _f	in/1000	in/1000	in	in	%	g
ASTM 1/2"	N/A	40	110	80	15	15	500 ±16	20 a 90	Nom ± 0.25	±0.13	≤5	≤1.6
1/2"	23.7 / 1630	51	155	84	24	20	495	80	±0.01	±0.06	0.06	1.5
ASTM 5/8"	N/A	50	150	90	15	15	625 ±16	20 a 90	Nom ± 0.25	±0.13	≤5	≤1.6
5/8"	32.8 / 2260	65	204	112	35	28	625	80	±0.01	±0.06	5.0	1.5



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