



A new generation of board 100% green & recyclable to replace drywall

Magna board panels[®] are designed with a technology that offers a superior performance than the traditional products.



Magna board panels[®] were initially made to replace fire-proof panels, but later on we discovered that our product had all the potential to replace the usual material such as gypsum, cement board and plywood in some way.

Magna board panels[®] are nonflammable, fully resistant to water, insects and mold. They also have a higher impact resistance than most products on the market.



Magna board panels[®] will have a positive impact on your health being a totally green and recyclable product.

Here are some comparisons with other materials :

Material	Magna board [®]	Cement board	Drywall	Plywood
Flame resistant	Excellent	Good	Good	Poor
Water resistant	Excellent	Very good	Poor	Good
Mold resistant	Excellent	Good	Poor	Poor
Insect resistant	Excellent	Good	Good	Poor
Fastener Strength	Very good	Poor	Poor	Excellent



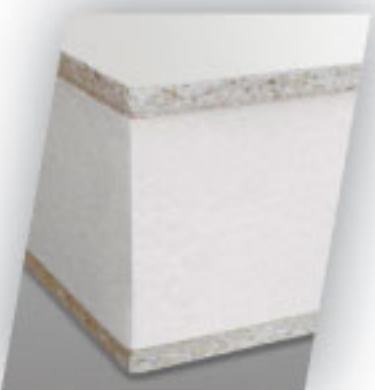
Components

The components of **Magna board panels**[®] include : Magnesium Oxide, Magnesium Chloride, Perlite, sawdust and fiberglass mesh. All of those components are non-toxic and for this reason this is the ideal material for residential, commercial and industrial construction, such as:

- Single family homes
- Schools
- Hospitals
- Restaurants
- Office buildings
- Hotels

The **Magna board panels**[®] color is eggshell and the finish of the board is smooth on one side and slightly rough on the back side. Ideal to paint on the smooth side and very good to apply ceramic on the rough side.

Magna board panels[®] are used worldwide as an anti-fire and non-combustible product and do not contain asbestos or formaldehyde, benzene or radioactive elements that emit toxic fumes.



Applications

- Garage
- Indoor and outdoor divisions
- Bathroom
- Fire resistant walls
- Basements
- Ceilings

Outdoor use

Magna board panels[®] composition is completely homogeneous, so no possibility of de-lamination.

Magna board panels[®] are made from inedible materials, so insects are not attracted to this product.

Economy

Ideally you can install **Magna board panels**[®] with a pneumatic stapler, which is much faster than the conventional way with screws. You will save a lot of time and money, which could represent 30% less labor work.

Here are some relevant references on the **Magna board panels**[®]:

- Density: 0.85 – 1.3T-M3
- **Flame resistant: 2 hours (12mm)**
- Shrinkage: 0.3%
- **Compression: 1.5-2 Mpa**
- Frost resistance: -40°C

Performances

Having a superior strength you can use **Magna board panels**[®] thinner than what you usually install. Per example, a 9 mm board (3/8") can be used where you would normally apply a 12 mm (1/2") thick gypsum board.

ASTM international : Magna board panels[®] passed the following tests : C1185, section 6 / C1185 section 5; Normal condition / C1185, section 5; Humide condition / C1629, section 6 / C1629, section 6 / C1185, section 9 / C1185, section 8 / C1185, section 10 / C1185, section 12; 50 cycles / ULC-94; Combustion limitations.

We work hard to assure high quality control supervision during all the process of manufacturing. This to make sure that you will appreciate highly our product. We stand proudly behind our magnesium board.

Doing so, our product as a very high quality level and this is why it's the perfect product for all your indoor and outdoor realizations.

Magna board panels[®] has a variety of thicknesses and sizes for all your needs.

Available sizes and thicknesses

Size : 4' x 8'
Thickness: 3 mm (1/8")
9 mm (3/8")
12 mm (1/2")

Size : 4' x 12'
Thickness: 9 mm (3/8")
Regular sheet can also be supplied

Soon sizes from 3 mm (1/8") to 25 mm (1") will be available (Special sizes can be manufactured on demand)

Applications

Magna board panels[®] can be installed with any conventional tool used for those kinds of products. To cut it we can use a drywall knife. You can fasten the panels with nails, drywall screws or even better use a stapler.

Using staplers will make your work so much easier. 1" or 1 1/4" staples are recommended depending of the thickness of your panel. In metal studs, just use a recommended drywall screw.

For any type of indoor or outdoor construction you may have to do, you only need one product : **Magna board panels**[®]. This material is resistant to either heat or cold.



Covering

Magna board panels[®] can be covered with almost any material you desire. By following the manufacturer's installation guide and the building code.

Limitations :

Follow the North American standards of the building code. (It may vary from one province to another)

Joints compound :

Use regular joint filler for an interior use. You may also use a cement base compound for your interior or exterior works.

Other uses :

Magna board panels[®] are excellent for the SIP system (Structural insulated Panels). Polyurethane fillings bond perfectly to magnesium boards. The thermal resistance of **Magna board panels**[®] is the same as plywood (R1.2 pc)

Storage :

These panels do not require as much attention as drywall or plywood, a minimum protection is needed to guard from dust, snow or bad weather. Just store them flat and ideally cover with a membrane.



Panneaux Magna board[®]

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**A new
generation
of board
100% green
& recyclable
to replace
drywall**

Warranty

Magna board panels[®] guarantee their products for a 15 year period. They will be free of manufacturing defects, swelling and de-lamination. See the manufacturer's guide.

www.panneauxmagnaboard.com