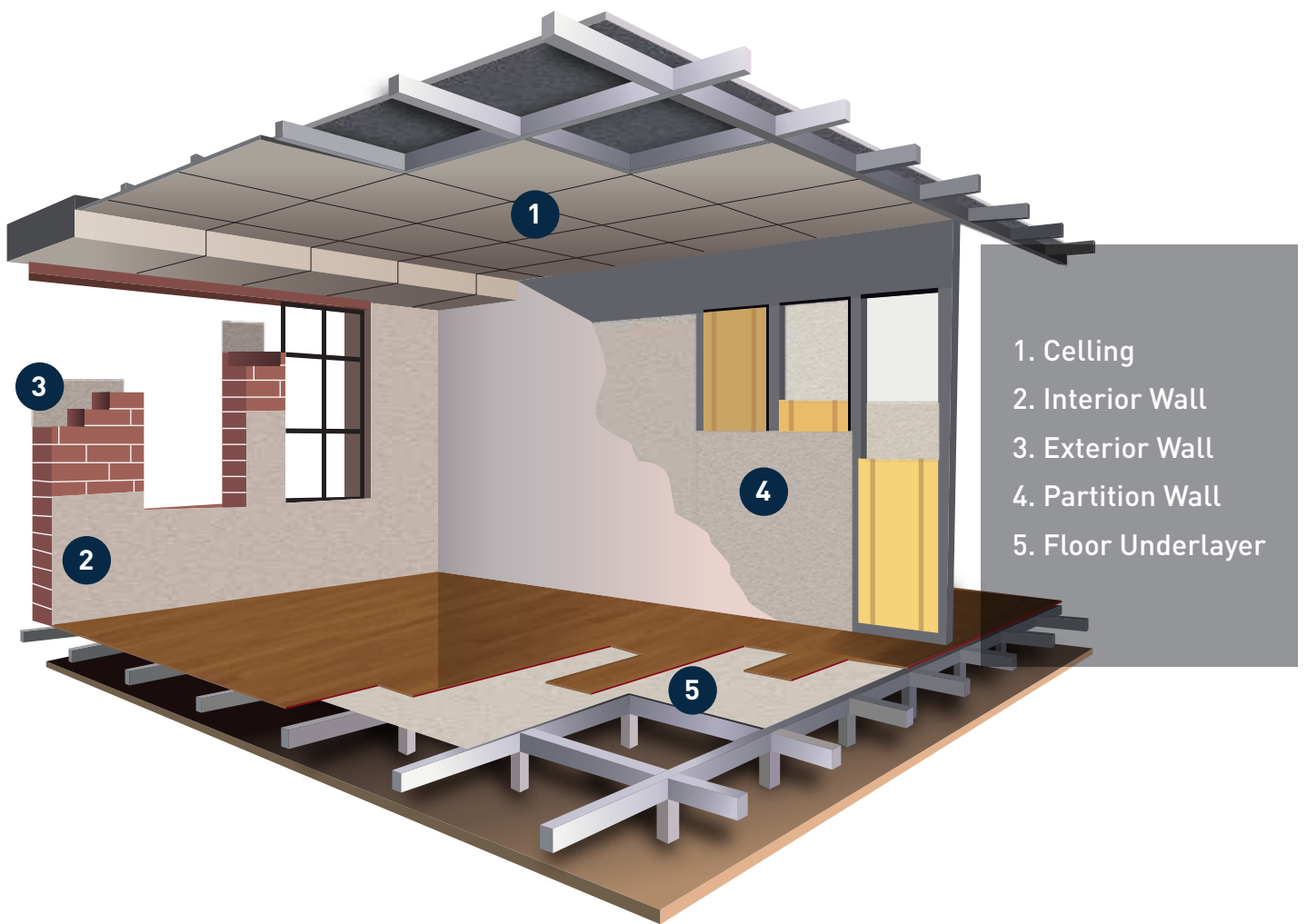


boardply MGO



We Make a Difference



Environmentally
Friendly



Zero
Formaldehyde



Water
Resistant



Fire
Resistant



Termite
Resistant



Sound
Insulation

boardply MGO

Introduction



Board Ply Trading Sdn. Bhd. was established by a team of young and dynamic entrepreneurs who have many years of experience in the wood supply industry. They saw the need in the market and were inspired to source for an eco-friendly specialized wood product that can help customers in the area of cost savings, functionality and yet being able to provide value in terms of enhancing and beautifying the working and home space. At the mention of wood, it gives one a sense of indescribable warmth and ambience that provides a homely feel. It comes in various textures, sizes and functions that enhances the environment and tone in a given space. Due to its different levels of durability and versatile properties and its diverse applications, it may not be suitable across all industries. That is where Board Ply Trading comes in to make a difference in providing the highest quality HPL laminated board designed to suit your specific needs.

Vision

Our vision is to become one of the top wood product and eco-friendly resources supplier which provides value and services that exceed customer's expectations and also fulfil society's responsibilities.

Mission

To provide the best quality of product, technical supports and services. The team of Board Ply are constantly seeking ways to improve the level of customer service, expand their products types and grow their business within Klang Valley and beyond.

What is Hybrid MGO Board?

Hybrid MGO Board (Magnesium Oxide) main unique material is based on high quality inorganic non-combustible materials which are from mineral resources, magnesium oxide, and marine chemical products.

It reinforced by E-glass fiber, combination of lightweight refractory filler and chemical additives, and manufacturing the product with the most advanced productive technology.

Our MGO Board can be cut using only a knife cutter itself and are more user friendly and cost cheaper than cement board.

It contained all the ability of the timber and wood panel yet worries free of fire, water and termite resistant, acid and alkali free in our board.

Furthermore, our product doesn't contain any harmful and radioactive elements such as asbestos and silica.

It's a new eco-friendly fire-resistant decorative material product.

Along with the constantly improvement of its superiority, non-combustible fireproof board will replace other type of boards and become the most popular decorative material product in the market soon.

Due to unique characterizes on chemical composition of Hybrid MGO Board, it can be widely apply to different field especially towards the large scale of shopping malls, hospitals, office buildings, entertainment venues, vehicles and ships, residential ceiling, wall decorations and so on.

Desired to beautify the environment, protect the limited natural resources, it comes with precaution too.

Hybrid MGO Board is a material to prevent mold and fire protection.

It had been widely applied to various building by numerous designers and construction technicians especially for the partitions, ceiling, fire doors, kitchen and cabinet along with other interior decorations.



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Magnesium Sulfate MGO Board Physical Data

Properties	Standard	
Combustibility	BS 476: PART 4	Non combustibe
Fire performance	GB8624-2012	A1 level - Non Combustibe
Building regulations	Bomba Class 0	
Formaldehyde emission	GB18580	<0.12mg/m3
FLEXURAL STRENGTH (MODULUS OF RUPTURE)	ASTM C1185-08	Longitudinal 7.94MPa (average) Transverse 7.81Mpa (average)
DENSITY	ASTM C1185-08	1000kg/m3 (average)
Moisture Movement	ASTM C1185-08	0.03% (average)
Water Absorption	ASTM C1185-08	water absorbing rate less than 28%, 48hrs
Moisture Contact	ASTM C1185-08	8.4% (average)
Water Tightness	ASTM C1185-08	Pass
Thermal Conductivity	MS ISO 8302:2003	0.226w/mK
Thermal Resistance	MS ISO 8302: 2003	0.057m2K/w
Screw pullout test	BS EN 320:1993	116.88N/mm (average)

Material Comparison

Product	Boardply MGO Board	Cement Board	Other MGO Board	Gypsum Board	OSB/Plywood
Weight	Low	High	Low	Low	High
Flame Resistant	Excellent	Good	Good	Poor	Poor
Water Resistant	Excellent	Good	Good	Poor	Poor
Mould Resistant	Excellent	Good	Excellent	Poor	Poor
Flexibility	Excellent	Poor	Excellent	Poor	Poor
Fasten Strength	Excellent	Poor	Excellent	Poor	Excellent
Environmental	Good	Asbestos Risk	Good	Good	Good
Chloride %	None	Yes	High	None	None
Damp Problem	None	No	In Rainy Day	In Rainy Day	None
Cutting	Knife	Cutting Machine	Knife	Knife	Cutting Machine
Price	Medium	High	Medium	Low	Medium



Material Properties

- Surface condition : Front face: smooth, Back face: sanded
- Thickness tolerance : +- 0.5mm
- Dimension tolerance : +- 0.5mm
- Colour : White / Light Grey
- Chloride Ion content : <1.2%

Size & Specification

- Dimension : 915mm x 2135mm, 1220mm x 2440mm
- Thickness : 6mm, 9mm, 12mm, 16mm, 18mm, 19mm

Raw Materials

Chloride free MGO BOARD is stoutly made from Magnesium oxide, magnesium sulfate, wood fiber, perlite, small glass cloth and others

Interior Application



Air Channel



Flooring Panel



Wall Panel Application



Installation Tools



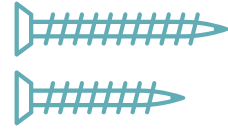
Standard screwing drill



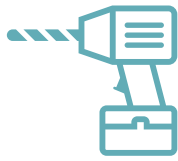
Standard health & safety gear



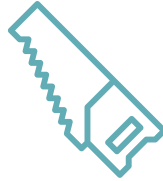
Track Saw



Self-drilling, countersunk, slotted-head screws



Hand drill for pre-drilling frame



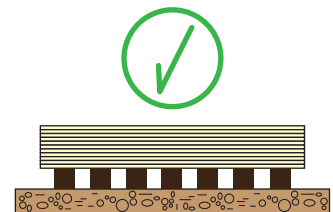
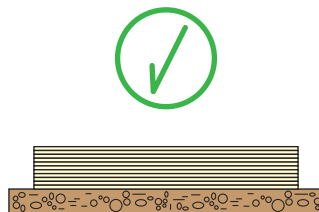
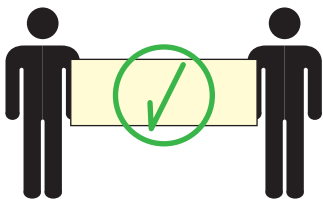
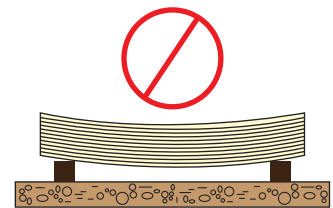
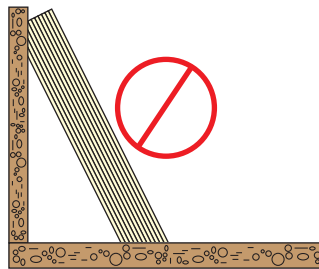
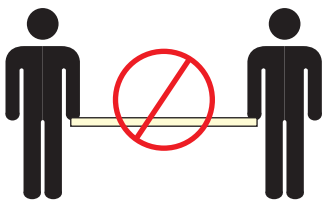
Standard saw



Retractable knife

Storage and Handling

- It is the responsibility of the builder to ensure that the product meets aesthetic requirements before installation.
- Ensure that all boards are stored under cover and kept dry. If boards become wet they must be dried prior to installation.
- Our Factory will not be responsible for rectifying obvious aesthetic surface variations following installation.
- Carry boards in the vertical position as this will avoid bending and possible breakage.
- MGO Premium boards must be stored flat on a smooth surface. Precaution should be taken that edges and corners are protected from damage.





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