

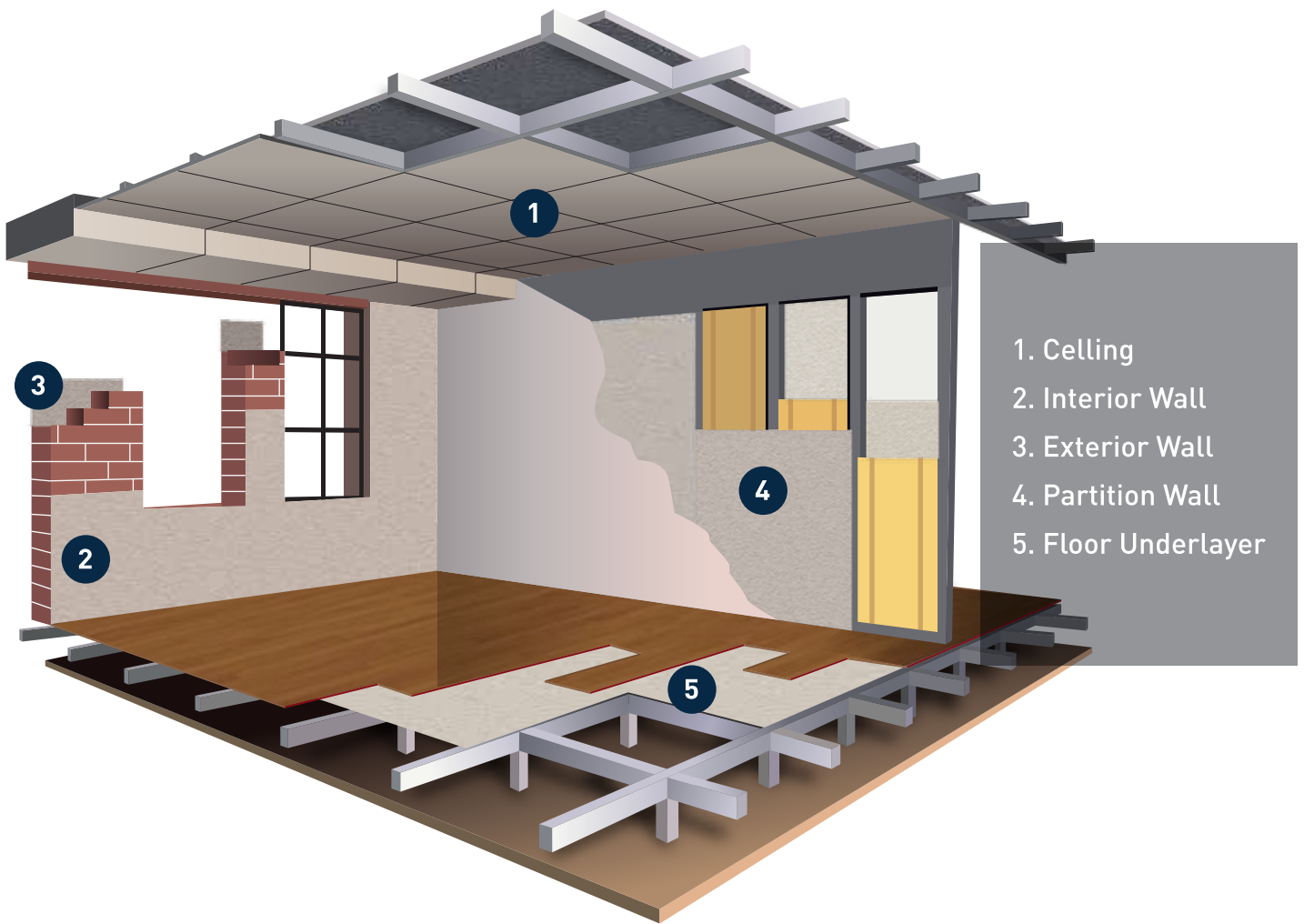


DecoTech
Technology to decorate
(A Unit of Dirghayu Preventive Health Care Pvt. Ltd.)

In Association with :



MGO board



We Make a Difference



Environmentally
Friendly



Zero
Formaldehyde



Water
Resistant



Fire
Resistant



Termite
Resistant



Sound
Insulation



MGO board



In Association with :



What is MGO Board?

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 is 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 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.

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	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

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

Size & Specification

fl Dimension	: 915mm x 2135mm, 1220mm x 2440mm
fl 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



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A Unit of Singapore Environment Group (S-EG)

Interior Application



Air Channel



Flooring Panel



In Association with :



Wall Panel Application



Installation Tools



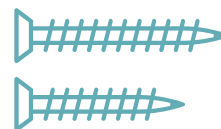
Standard screwing drill



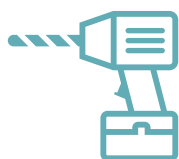
Standard health & safety gear



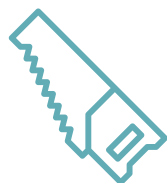
Track Saw



Self-drilling, countersunk, slotted-head screws



Hand drill for pre-drilling frame



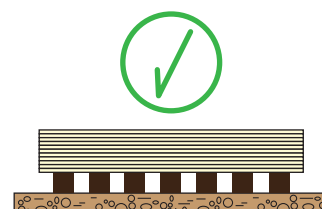
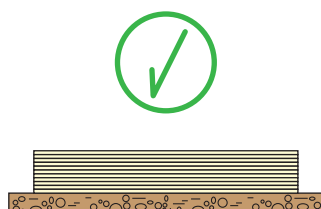
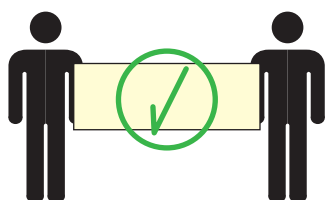
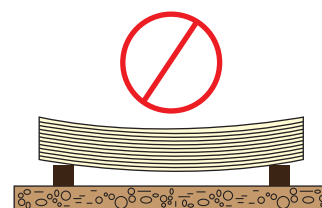
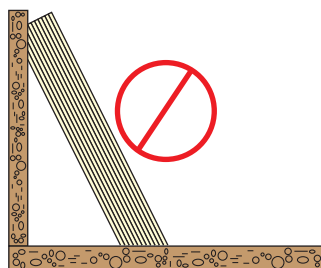
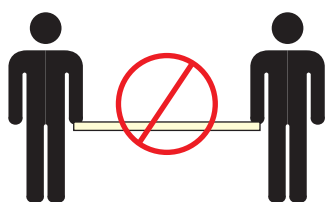
Standard saw



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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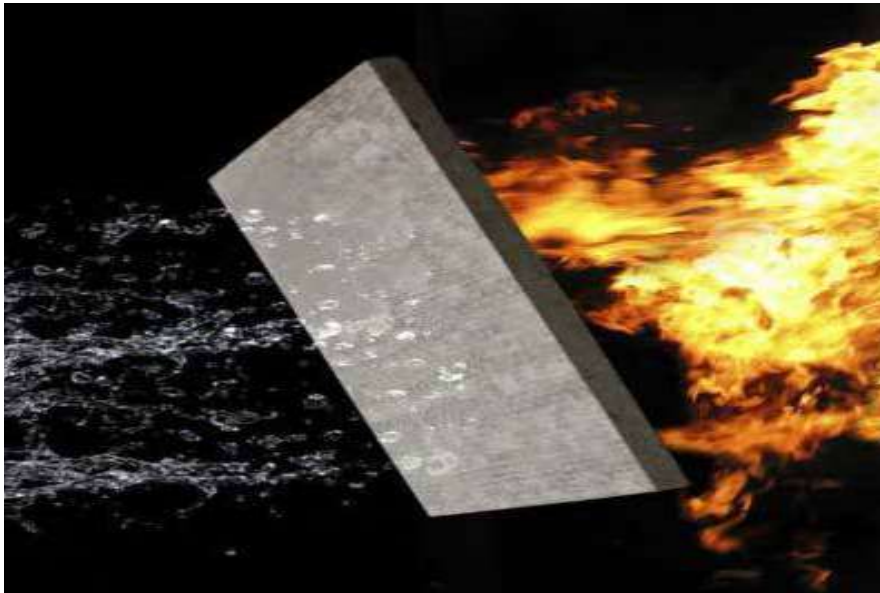




MGO board

Product & Services :

- * WPC Wall Panel * Zinc Alloy Exterior sandwich panel * Acoustics Panel - Polyester Fibre for Sound Proofing
- * PVC WALL & Ceiling Panel * PVC flooring * PVC Marble Sheet * PVC Moulding Bit * PVC Artificial Grass
- * HPL interior & exterior sheets * Sandwich Panels Rockwool / EPS / PU * Flexible Tiles / Flexible Stone
- * WPC Flooring / SPC Flooring * WPC Door's & Frames * WPC Decking * WPC exterior cladding
- * PVC Soffit * PVC self adhesive Furniture film / Door & Window * Wooden Laminated Flooring
- * Charcoal Luvors / Rafter * Pine Pergola Beam & Pillers * Polycarbonate Sheets



In Association with :



B-04 | Goyal Plaza | Opp. Suchitra Hotel Lane
Sevoke Road | Siliguri | W.B.