

Magnesium Board

FRAMECAD Magnesium Board is manufactured from a combination of magnesium oxide and magnesium chloride and includes fibrous reinforcement.

Applications

- FRAMECAD Magnesium Board is suitable wherever fire resistant, water resistant, high impact wall or floor systems are required. Applications include residential homes, apartment complexes, commercial high-rise buildings, schools, hospitals, and hotels.

Features & Benefits

- FRAMECAD Magnesium board is a UL approved fire resistant, water resistant, high impact construction panel that is well suit for both exterior cladding and interior lining applications.
- Magnesium board is a non-nutrient to mould or fungus as per ASTM G21 and does not support insect life.
- It provides superior moisture resistance in high humidity areas. It will not disintegrate when immersed in water or exposed to freeze/thaw cycles for prolonged periods of time.
- Standard production material is very smooth on one side which is excellent for painting, and sand textured on the other which is suitable as a tiling substrate.

Environmental Info

- Magnesium Board is manufactured from mineral components and water. It does not contain any organic solvents, asbestos, oils or toxic components or any heavy metals.
- Because the curing process is conducted at room temperature, Magnesium board consumes relatively low amounts of energy compared to other products.
- Scrap, dust or sawdust may be safely buried in landfills.



Magnesium Board

SPECIFICATIONS	
Thickness (mm)	6 - 20
Size (mm)	1220 x 2440
Note: All sheets size available with Square Edge 4 sides, or Square Edge 2 short sides with Rebated Edge 2 long sides Note: Other sheet sizes available on request	

PHYSICAL CHARACTERISTICS		
Property	Value	Method
Flexural modulus	6,412 MPa	ASTM D6109
Flexural strength	8.9 MPa	ASTM D6109
Compressive strength	20.7 MPa	ASTM C684
Shear strength	2.7 MPa	ASTM D6109
Moisture content	8%	GB/T 160-1997 (China)
Impact resistance	1.65 ft/lb-in of notch	GB/T 7019-1997 (China)
Thermal insulation	R-value – 0.047/mm	GB/T 7019-1997 (China)
Fungus/mould	Non-nutrient	ASTM G21

FIRE RATINGS		
Index	Rating	Value
Flame spread	0	ASTM E84
Smoke developed	0	ASTM E84
Magnesium board is a UL approved (assembly number UL U055) for 1, 1.5, 2, 3 and 4 hour fire resistant wall systems, providing an unprecedented degree of safety and security		

FRAMECAD Hardware is distributed by:
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