



Magply

A technically advanced construction material that provides exceptional performance in all building applications when compared to Wood, Plywood, gypsum and cement based boards.

Magply board is a technically advanced construction material that provides exceptional performance in all building applications when compared to Wood, Plywood, gypsum and cement based boards.

Magply board is non-flammable and non-combustible, waterproof, mould & mildew resistant, durable, dimensionally stable even when wet, does not de-laminate and has a high performance bonding surface. This makes Magply Board the perfect choice for all internal and external applications including: Roof, wall, ceiling board, fascia, soffits, tile backer board and underlayment.

Magply Board is a mineral based, homogeneous, environmentally friendly product with a manufacturing process that produces very little in the way of CO2 emissions, unlike cement particle boards and gypsum which both generate high levels of CO2. Magply Board helps to provide a safe and healthy living environment whilst extending the life of the property.

Magply Board is easy to use; whilst it absorbs water, its performance and structure are unaffected, thus Magply Boards can be used in both indoor and outdoor applications including damp locations such as shower areas, bathrooms and wet rooms.

Magply board can be formed to follow gentle curves as it is very stable. When subjected to temperature changes, it does not expand or contract nor does it absorb water or swell when wet.

Magply board, when installed in drywall situations as a facing for partitions or as firewalls, the joints are to be taped in the conventional manner using a jointing compound and a light mesh scrim.

Applications

- Interior Wall and Ceiling Board
- Exterior Sheathing
- Trim Materials
- Fascias
- Soffits (underside of any construction element)
- Shaft-liner & area separation wall board
- Tile backing (backer board) and underlayment
- Substrates for coatings and insulated systems such as: Direct-Applied Finish Systems, EIFS, SIPS, Portland type Stucco and Synthetic Stuccos.

Structural Sheathing

Magply board is very strong having, an impressive bend, fracture and tensile strength, therefore ideal for structural sheathing or as a substrate for EFIS.

Magply board has a high impact resistance making it an excellent choice in areas where physical damage is possible.

Technical Data

Density: 1100 kg/m³ Thermal Conductivity: 0.124 W/mk

Certified to EN12467:2004/A1:2005, EN12467:2004/A2:2006 and is compliant with the requirements of the Construction Products Directive 89/106/EEC

Advantages

- Can be used in the place of traditional drywall or cement boards. No special tools required.
- Hard non-absorbent surface – no paper.
- Can be used in applications like cement-based siding.
- Environmentally friendly – It is removed from ore at about 25% of the temperature (400-800 °F) required to form CaO; the starting material for the preparation of slaked lime or portlandite used in common mortar and plaster.

The Right Stuff

Magply Board is an impressive multipurpose board for the construction industry which overcomes all of the problems historically experienced by Gypsum, cementation or timber boards

Magply board is available in standard metric sizes 2.4m x 1.2m and in various thicknesses, starting at 6mm, 9mm, and 12mm.

Magply Tile backer board is available in 1.2m wide x 0.8m wide

Fire Properties

Magply board is technically non-combustible has a zero spread of flame and is therefore suitable in build-ups for fire resistant systems and firewalls.

- Magply boards provide a biologically friendly construction material.
- Silica and asbestos free
- Impact resistant
- Mould/Fungus/Bug free (non-nutritious to mould, fungus or insects)
- Fire resistant
- Waterproof
- Freeze/Thaw resilient

Black Mountain Insulation Limited

Bradwell Hall, Bradwell on Sea
Essex, CM0 7HX

T 01745 361911
F 01621 776688

E sales@magply.co.uk
W www.magply.co.uk

Black Mountain is a member of the IPP group of companies



Magply board attributes comparison

Attributes	Magnesium Oxide Board	Gypsum Board	Plywood / Osb	Cement Board
Fire Resistant & Non-Combustible	Yes	No	No	Yes
Water & Moisture Resistant	Yes	No	No	Yes
Mold & Mildew Free	Yes	No	No	Yes
Insect Resistant	Yes	No	No	Yes
Nail	Yes	Yes	Yes	Yes
Cut/Saw - No special tools	Yes	Yes	Yes	No
Wallpaper over	Yes	Yes	No	No
Tile Backer	Yes	No	No	Yes
Insulation Sound & Heat	Yes	No	No	Yes
Environmentally 'Green' & Non-Toxic	Yes	No	No	No
Strong & Durable	Yes	No	Yes	Yes
Light Weight	Yes	Yes	No	No
Recyclable	Yes	No	No	No



Magply board physical characteristics comparison

Value	Magnesium Oxide Board	Gypsum Plasterboard	Gypsum Wallboard
Bending ultimate strength, MPa	4MPa	5.3	3.5
Density, kg/m ³	670 - 1300	1200	830
Combustibility	Non combustible Class A1	Not easily combustible	Not easily combustible
Thermal linear expansion coefficient	0	0.5 - 1.5%	0.5 - 2%
Facial surface hardness, MPa	5.9 - 8.3	2.2	1.8
Surface moisture absorption	no more than 0.34%	no more than 3%	no more than 10%

Thickness	Dimensions (mm)	Boards per Container	M ² per Container	Weight of Board, Kg
3mm	1200 x 2400	1800	5184	8.75
6mm	1200 x 2400	900	2592	17.5
9mm	1200 x 2400	600	1728	26.5
12mm	1200 x 2400	450	1296	35
20mm	1200 x 2400	270	778	58

Magply is CE Marked to EN12467: 2004, EN 12467: 2004 / A1: 2005, EN12467: 2004 / A2:2006



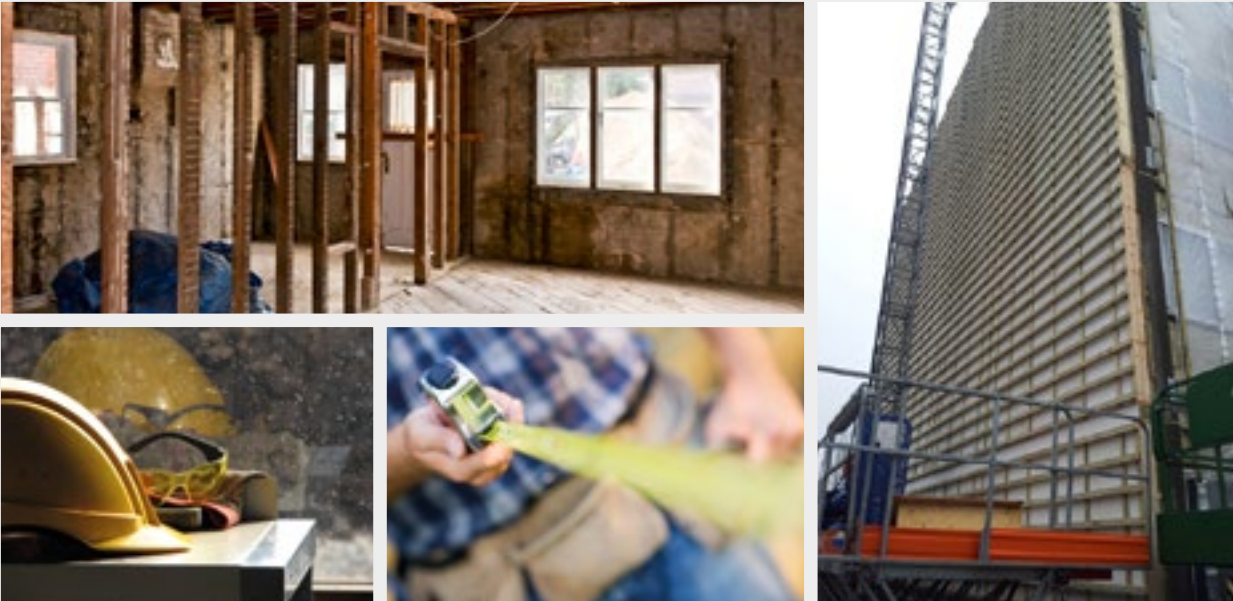
Black Mountain Insulation Limited

Bradwell Hall, Bradwell on Sea
Essex, CM0 7HX

T 01745 361911
F 01621 776688

E sales@magply.co.uk
W www.magply.co.uk

Black Mountain is a member of the IPP group of companies



IPP is a dynamic manufacturer of innovative, sustainable and environmentally friendly products for the Construction Industry. The company was founded over a decade ago and is constantly evolving with new product lines and ideas.

In 2013 IPP acquired Black Mountain Insulation which manufactures a range of natural insulation materials. Natural insulation for Sustainable Building is, IPP believe, the future direction for construction, where more care in selection of the products used will eliminate "Sick Building Syndrome" and improve the lives of the occupants of Commercial and Domestic Buildings alike, which is a Global problem.

Black Mountain's latest product, Magply is set to replace Gypsum Boards providing a robust and stable alternative to OSB and Plywood sheet.

The production of Magply Board produces little or no CO2 emissions and NO industrial waste unlike Gypsum boards.

Magply will not support fungal growth and is unaffected by moisture, it is also fire and impact resistant.

The future looks bright...

Black Mountain Insulation Limited

Bradwell Hall, Bradwell on Sea
Essex, CM0 7HX

T 01745 361911
F 01621 776688

E sales@magply.co.uk
W www.magply.co.uk

Black Mountain is a member of the IPP group of companies