

# THE WORLD'S GREENEST

Internal, External Cladding & Lining Products



RESIDENTIAL



magnesiumoxide  
boardcorporation





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MgO Corp Boards are JAS/ANZ, CODEMARK Certified (CM-11-A0007) & BCA Approved.

Magnesium Oxide Board Corporation is ISO9001 & 14001 compliant and certified for the manufacturer and supplier of the worlds greenest sheathing and panel board products All products of MgO Corp Board have been CodeMark audited, approved and registered through JAZ/ANZ and carry the appropriate certification registration code approval number and logos as issued by the governing authorities.

Australians and New Zealanders can now choose to build with confidence when selecting MgO Corp Board products.

MgO Corp Board products are used extensively in building and construction every day throughout Europe, the UK, the USA and Asia. Magnesium oxide board has been in the building industry for hundreds of years for use in residential and commercial buildings. Now completely approved and available through Magnesium Oxide Corporation, Australia and New Zealand can finally enjoy the benefits of the world's greenest building products at affordable and competitive pricing.

**Complies with the Building Code of Australia**

- BCA Volume 2 Part 3.5.3.3, Fibre cement planks and weatherboard cladding
- BCA Volume 2 Part 3.5.3.4, Fibre cement sheet wall cladding
- BCA Volume 2 Part 3.5.3.5, Eaves and soffit linings
- BCA Volume 2 Part 3.7.1, Fire separation for FRL to (-120/120)
- BCA Volume 2 Part 3.8.6, Sound insulation to > Rw 54
- BCA Volume 1 Section C for FRL to (-120/120)



**BCA: NCC2011**

**BCA Volume 1 Part C:  
Fire Resistance and Stability**

- C1.0 Deemed-to-Satisfy Provisions
- C1.1 Type of construction required
- C1.2 Calculation of rise in storey's
- C1.3 Buildings of multiple classification
- C1.4 Mixed types of construction
- C1.5 Two storey Class 2, 3 or 9c buildings
- C1.6 Class 4 parts of buildings
- C1.7 Open spectator stands and indoor sports stadiums
- C1.8 Lightweight construction
- C1.9 \* \* \* \* \*
- C1.10 Fire hazard properties
- C1.11 Performance of external walls in fire
- C1.12 Non-combustible materials

**BCA: NCC2011**

**BCA Volume 2 Part 3: Acceptable  
Construction**

- 3.5.3.2 Timber weatherboard cladding
- 3.5.3.3 Fiber cement planks and weatherboard cladding
- 3.5.3.4 Sheet wall cladding
- 3.5.3.5 Eaves and soffit linings
- 3.7.1.1 Application
- 3.7.1.3 External walls of Class 1 buildings
- 3.7.1.4 Measurement of distances
- 3.7.1.5 Construction of external walls
- 3.7.1.6 Class 10a buildings
- 3.7.1.7 Allowable encroachments
- 3.7.1.8 Separating walls
- 3.7.1.9 Fire hazard properties
- 3.8.6.1 Application
- 3.8.6.2 Sound insulation requirements
- 3.8.6.3 General installation requirements for walls
- 3.8.6.4 Servicesunt.



## Main Characteristics

Magnesium Oxide Board Corporation's product range has outstanding characteristics to make it the ideal building product for your home.

All of MgO Corp's boards have:

- Outstanding fire performance
- Insulation against heat and cold
- Sound insulation
- Damp proof
- Tough (can do all proper modelling)
- Protected against insects
- Simple, easy and swift construction
- Easy to decorate, cut, bore, plane and shear
- Durable
- 100% Free of harmful substances (e.g. asbestos)
- Environmentally friendly

## Product Data

Material: Modified magnesia cement

- Fireproofing characteristic: A grade non combustible
- Density: 0.96g/cm<sup>3</sup>
- Intensity of bending resistance when dry: 18Mpa
- Intensity of bending resistance when moisture-saturated condition: 22Mpa
- The rate of deformation when pick up the moisture: 0.26%
- The shrinking rate when heated: 1.0%
- Water permeability: There is no drop of water to emerge in the back
- Impact resistance: No crack, strip and run through
- Thermal resistance: 1.14m<sup>2</sup>k/w
- Sound insulation
- Colour: White
- Security: 100% does not include asbestos, formaldehyde, and benzene
- Radioactivity: Not limited by the scope of application





MgO Corp's Magnesium Oxide Board can be used for a range of building aspects in your home or commercial building. MgO Corp recommends their product for external cladding and sheathing solutions, internal sheathing solutions, internal ceiling solutions, skirting boards, external eave and lentils, floor overlay, sub flooring and moisture resistant board solutions. Each range comes with its own finishing recommendations and sheet sizing. All of the MgO Corp Board range can be finished with any traditional drywall compounds, construction, materials and finishes. MgO Corp Board accepts any type of paint, wallpaper and tiles.

#### **External Cladding and Sheathing Solutions**

Exterior wall cladding for your home will not only improve the look of your home, Magnesium Oxide Board Corporation's quality ensured superior performance in all types of environments. MgO Corp exterior solutions are available in square, bevel, tapered, type one and shiplap edges. Sheet sizes range from 6mm up to 25mm thick. Available widths from 300mm to 1220mm and lengths from 2440mm to 3050mm.

#### **Internal Sheathing Solutions**

MgO Corp internal solutions are available in square, v joint, tapered and recessed. The MgO Corp Board internal range sizing is available from 6mm up to 16mm. Available widths from 300mm to 1220mm and lengths from 2440mm to 3050mm.

#### **Internal Ceiling Solutions**

MgO Corp ceiling solutions are available in square, tapered and recessed edges. The ceiling range is available from 6mm to 25mm

thick. Available widths from 300mm to 1220mm and lengths from 2440mm to 3050mm.

#### **Skirting Board Solutions**

MgO Corp skirting solutions are available in square and bevel edges. Skirting board finishes come in a range of wood laminate styles and PVC styles. MgO Corp skirting boards are available from 3mm to 8mm thick. Widths are available from 100mm to 300mm and lengths from 2440mm to 3050mm.

#### **External Eave and Lentil Solutions**

MgO Corp eave and lentil solutions are available in square edges with thicknesses ranging from 4mm to 10mm. Widths are available from 400mm to 600mm and lengths from 2440mm to 3050mm.

#### **Floor Overlay Solutions**

MgO Corp flooring overlay solutions are available in square edges with thicknesses from 4mm to 8mm. Widths are available from 600mm to 1220mm and lengths from 2440mm to 3050mm.

#### **Sub Flooring Solutions**

MgO Corp sub flooring are available in square, shiplap, recessed and tapered edges with thicknesses from 14mm to 25mm. Widths are available from 600mm to 1200mm and lengths from 1800 to 2700.



Wood laminate decorative panel includes: pure natural wood veneer panel, technological wood veneer panel and wood grain paper veneer panel.

### Decorative Boards & Panels

In order to meet individuation requirements of different customers, Magnesium Oxide Board Corporation wood grain veneer panel is based on paper coated magnesium oxide board, laminated with pure natural wood peel, technological wood peel or wood grain paper separately. Wood veneer panel is the ideal choice of modern inner decoration. The appearance decorative effect designed by our panels have the same feelings with genuine wood materials. It has natural colour and lustre, clear texture and keeps the nature of wood products.

### Product Performance

1. Precious and fashionable: with high class solid timber applied on its surface, the flame retardant timer veneer is endowed with an air of nobleness in its natural and soft texture. The pure of raw timber, combined with its feature of being cool in summer and warm in winter, ensures a comfortable and relaxing space.
2. Safe flame retardant performance: specially developed base material has high tensile strength at both horizontal and vertical directions, good tightness, high flame retardant, and fire protection rating up to National Flame Retardant Standards Class A. Superb fire resistance performance of the base material ensuring a safer living space.

3. Environmental protection and health: the veneer contains no hazardous contents, such as cotton asbestos or benzene, or dangerous radiation. Formaldehyde level is nearly zero. Magnesium Oxide Board Corporation's decorative boards and panels represent high standard environmental protection requirements and is a model of new environmental protection material.

### Finishes

MgO Corp decorative boards and panels come in a range of finishes in a range of colours. Custom sizing also available on request.

### Plastic Film/PVC





**MgO Corp Board has been proven to drastically reduce your building cost.**

For instance, in construction in Australia and New Zealand a non-load bearing fire separation wall using the most recognised and reliable double fire sheathing system will cost you, the consumer, a minimum of 50% more in materials and labour than the MgO Corp Board System.

**That is correct, MgO Corp Board Systems will deliver you an immediate saving of 50% on product and labour when utilising the proven and fully BCA certified MgO Corp Board sheathing system.**

The same can be said about acoustic requirements and the application of MgO Corp Board sheathing systems to dramatically deliver the consumer a higher quality system as a much reduced pricing point. The amazing major point of difference is that MgO Corp Board delivers all the above and below benefits in the one product.

- External cladding
- Roof linings and installation
- Bathroom linings
- Floor sheathing
- Internal wall sheathing
- Acoustic requirements
- Fire separation wall systems
- Painting
- Maintenance
- Cooling costs
- Heating costs
- Energy efficiency
- Labour and time





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