

NOW AVAILABLE:

MAGNUM[®] BOARD

A NEW GENERATION 'breathable' building material developed for our time.

MAGNUM BOARD[®] – A mineral based product that will ensure your next build meets the criteria now demanded by Health Based Building projects. MAGNUM BOARD[®] is one of the few NEGATIVE CO₂ building materials available to the market worldwide.

Install it for health – Install it for life.

A world leader, MAGNUM BOARD[®] is a technologically advanced, high-quality Magnesium Oxide Board (MgO Board) building material that offers superior performance in every category when compared to traditional wood fibre, gypsum and cement based products. It is homogenous – NO de-lamination.

Breathability and versatility are its greatest asset. There is a product available for most applications.

Exterior

Cladding
Fascia
Soffit
Trim
Lap Siding
SIP Panels

Interior

Wall board – square or tapered edge
Ceiling board
Tile backer
Underlayment
Drop ceiling tiles
SIP Panels

Why Magnum Board?

It allows wall systems to breathe, helping to create a healthy microclimate.

It is unique – engineered to eliminate the toughest problems: fire, water, insects, mould, mildew, impact and toxins. Literally billions of dollars are spent every year as a result of damage caused by these problems. Illnesses and even deaths directly resulted from these problems cost even more. Avoid all this by choosing MAGNUM BOARD[®] when considering building materials such as wood fibre, gypsum or cement based products.

It is considered a 'GREEN' product.

It is a Health Based Building Product completely free of toxins.

It has been subjected to some of the toughest building materials testing regimes. Such as UL 2000 hour freeze thaw test simulating 20 years of wear and tear in all climatic conditions. MAGNUM BOARD[®] is NZ appraised for interior use including wet areas and exterior use as weather boards and rigid air barrier in extra high wind zones. This is indeed a one of a kind material.

It is dimensionally stable in freeze, thaw, heat and humidity cycles.

Excellent adhesion properties allow fantastic finishes with paint, stucco, wallpaper, stone, tile, brick and much more. It is the perfect product for Structural Insulated Panels, Exterior Insulated Finish Systems, and fabric or veneer interior wall systems.

Overall installation and life cycle costs ensure MAGNUM BOARD[®] is very competitively priced due to its high resilience to all damage and 'one product fits all' positioning.

It is both easy and very safe to install.

HEALTH
BASED
BUILDING™

*Install it for
health*
*Install it for
life*

MAGNUM[®]
BOARD

WHY USE MAGNUM BOARD®

Is MAGNUM BOARD® considered a health based building product?

Yes it is. MAGNUM BOARD® is a mineral product, completely free of toxins such as asbestos, formaldehyde or silica, is manufactured completely at ambient temperature, and is considered a green product.

Is MAGNUM BOARD® considered a negative CO₂ product?

Yes indeed the MAGNUM BOARD® product line is CO₂ negative meaning the product and / or its process absorbs CO₂ and turns it into magnesium carbonate and that remains in the board until the board is retired from service, in which case, the magnesium carbonate can be recycled to make MgO and ultimately recycled into more MAGNUM BOARD®.

Has MAGNUM BOARD® been tested?

Yes indeed. Magnum Board® has been subjected to some of the toughest testing being conducted on building materials today including the freeze / thaw and 2,000 hour weathering test which simulates 20 years of wear and tear in all climatic conditions including high heat and snow. Magnum Board® products are fully appraised in NZ and Underwriters Laboratory (UL) approved. This is indeed a one of a kind material. Our factory is ISO certified and is audited on a quarterly basis by Underwriters Laboratories (UL).

Is MAGNUM BOARD® dimensionally stable in freeze, thaw, heat and humidity cycles?

Yes it is. Unlike Portland type materials the coefficient of expansion for MAGNUM BOARD® is extremely low; therefore, when selecting and installing products such as our exterior lap siding, there is no need to leave gaps between butt joints to accommodate for such expansion and contraction. This provides a much more aesthetically pleasing finish for many years to come.

What are the adhesion values of MAGNUM BOARD®?

Excellent allowing you to finish MAGNUM BOARD® with any product you desire such as paint, Portland type stucco, synthetic stucco, wall paper, stone, tile, brick and much more. The excellent adhesion properties of MAGNUM BOARD® also make it a perfect product for Structural Insulated Panels (SIPS), Exterior Insulated Finish Systems (EIFS) and interior wall systems using fabrics and veneers.

Is the cost of MAGNUM BOARD® competitive with other products?

When considering overall installation and life cycle costs, **absolutely**. By using MAGNUM BOARD® you don't have to worry about damage caused by low or high impacts, termites, carpenter ants or any other pests; decay caused by moisture and UV; warping, swelling and wood rot caused by water; mould and mildew; and, toxins that are found in many wood fibre panels, plastics, gypsum and cement based products.

How can I hang pictures and other items on MAGNUM BOARD®?

It's simple and easy to hang just about anything from MAGNUM BOARD®. What works with gypsum based panels works with Magnum Board.

How do I store MAGNUM BOARD®?

Storage and handling of MAGNUM BOARD® is simple. It does not require the same attention as wood fibre or gypsum based products. MAGNUM BOARD® can actually be submerged in water for months with virtually no dimensional change whatsoever; and, it leaches water quickly never feeding mould or mildew or suffering decay or warping as does most wood fibre and gypsum products. And since MAGNUM BOARD® is a homogenous product, you never have to worry about de-lamination.

Is MAGNUM BOARD® easy to install?

Indeed it is. MAGNUM BOARD® installs with screws or pneumatic nailers depending on the application you are using it for. Always follow the MAGNUM® Building Products installation recommendations.

Finishing interior walls and ceilings is also easy using standard joint compound and fibre or paper tape. Since MAGNUM BOARD® is smooth on one side, you can achieve a level 5 beautiful and durable finish with much less work (man-hours) than typical gypsum based panels.

Is MAGNUM BOARD® safe for installers?

Yes. In fact installing Magnum Board® is as safe if not safer than installing any other material on the market today. Magnum Board® is a mineral based product free of carcinogens and silica. Magnum Board® is extremely safe for installers and consumers alike.

MAGNUM BOARD® is Virtually Impervious to:
Fire Non-Flammable BRANZ appraised Group 1S NZ appraised 60 minute fire rating Non-Combustible (E136).

Water Does Not Feed Mould or Mildew nor does it decay in any way.

Insects Such as termites, borer and sugar ants.

MAGNUM BOARD® is Non-Toxic (U-Pitt Protocol) and VOC compliant (D5116).

MAGNUM BOARD® is NZ appraised for interior applications such as: Backer Board - Underlayment - Walls - Ceilings - Trim - Drop Ceiling Tiles - One Hour Fire Walls.

MAGNUM BOARD® is NZ appraised for exterior applications such as: Wall and Ceiling Board - SIPS - Fascia - Soffit - Trim - Exterior Lap Siding and RAB.

MAGNUM BOARD® can be finished with almost any product, such as paint, synthetic stuccos, breathable renders, certain decorative laminations and stains.

MAGNUM BOARD® is now fully appraised in Foreverbreathe™ High Performance Breathable Wall Systems.



Exclusive to:

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Hardie & Thomson™
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