MAGNUM® BOARD

INSTALLATION GUIDE



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PROCEDURE TO INSTALL
9MM & 12MM REBATED EDGE
MAGNUM BOARD™ INTERIOR WALL
AND CEILING BOARD, INCLUDES
WET AREA

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Important Videos

It is important to watch applicable Magnum Board Wall and Ceiling Board installation videos to ensure your understanding of the installation process is complete. Magnum Board Interior Wall and Ceiling Board videos can be access via links in each Magnum Board Wall and Ceiling Board listing on **www.healthbasedbuilding.com**



Products, Tools & Equipment Required

FIGURE 1



Magnum Board - Rebated

FIGURE 2 **TIMBER FRAMING**



Mapei 997 construction adhesive

FIGURE 3 **STEEL FRAMING**



Selleys Liquid Nails Construction Adhesive

FIGURE 4



Sika Shower Bond can be used to adhere acrylic shower linings to magnum board

FIGURE 5



Festool cutting equipment

FIGURE 6



HEPA extraction system

FIGURE 7



Collated screw gun

FIGURE 8



Rebate Mate

FIGURE 9



Board lifter

FIGURE 10



Battery operated sausage applicator

FIGURE 11



Scraper (for sharp edge removal on rebates)

FIGURE 12



100mm Duster Brush

FIGURE 13



Straight edge 1.8m min

FIGURE 14



Spirit Level 1.8m

FIGURE 15



Battery drill gun with torque control

FIGURE 16



Tape measure

FIGURE 17 **STEEL FRAMING**



Simpson Strong Tie 8g x 32mm C3 Galvanised Collated Square Drive Screws code WSCBGHLA114SA for fixing Magnum Board to steel framing. Recommended steel thickness 0.55mm-0.75mm

FIGURE 18 **STEEL FRAMING**



Simpson Strong Tie 8g x 32mm C3 Galvanised Wing Tip Collated Square Drive Screws code CBSDG114SA for fixing Magnum Board to steel framing. Recommended steel Recommended steel thickness 0.8mm-2.4mm

FIGURE 19 **TIMBER FRAMING**



Fortress 6g x 32mm C3 Galvanised Collated Screws - 1000 pc carton for fixing Magnum Board to timber framing

FIGURE 20



SPAX Flyer Adjusting Flat Countersunk Screw for Fixing Ceiling Battens

FIGURE 21



Cordless Planer

FIGURE 22



Lifting Bar

FIGURE 23



RebateMate 110mm Diamond Cutting Disc for RebateMate

NOTE: We recommend the Simpson Strong-Tie Stainless Steel 316 screws as they meet all application requirements, including high-corrosion environments such as:

- **In areas within 1km of a coastal area.**
- **All external fixings**
- **Wet areas.**
- **Industrial or chemically aggressive environments.**

NOTE: Please avoid C3 screws in these environments. (Use Class 4 or 316 stainless instead) Outside of these environments quality C3 galvanised screws with multi-layer protective finish can be used.



Before You Start

IMPORTANT INFORMATION

We recommend the Simpson Strong-Tie Stainless Steel 316 or class 4 fixings as they meet all application requirements, including high-corrosion environments such as: In areas within 1km of a coastal area, All external fixings, Wet areas, Industrial or chemically aggressive environments. Please avoid C3 screws in these environments. (Use Class 4 or 316 stainless instead) Outside of these environments quality C3 galvanised screws with multi-layer protective finish can be used.

Magnum Board® Interior Wall and Ceiling Board can be installed for use as a bracing element, a non-combustible element, a high impact resistant element and a wet area element.

Magnum Board must not be installed in design solutions that place Magnum Board in direct contact with soil or within designs that place Magnum Board below ground.

Magnum Board® Interior Wall and Ceiling Board can be installed to solid timber framing, LVL framing and steel framing in compliance with local building codes.

TIMBER FRAMING CONSIDERATIONS

A 45mm minimum stud width is required for timber framing. Stud spacing's not to exceed 600mm centres. Stud spacing's will reduce for use in specific wind classifications.

Timber framing must be kiln dried with a moisture content **18% or Less**. Framing quality must be straight and level to a standard that supports Magnum Board® to all surfaces in contact with framing. Installation to buckled or bent framing will result in tension within Magnum Board® that may lead to movement and establish surface cracking.

Prior to screw fixing Magnum Board® internal wall linings onto timber framing, apply a **5mm min** continuous bead of construction adhesive to frame supporting the sheet to be installed, Including perimeter. (Refer to pg 3 for the correct construction adhesive product)

STEEL FRAMING CONSIDERATIONS

A 35mm minimum stud width is required for steel framing. Stud spacing's not to exceed 600mm centres. Stud spacing's will reduce for use in specific wind classifications.

Steel framing gauge is to be 0.55 - 1.6 based metal thickness. Use GAL 90 light gauge steel for enhanced corrosion resistance and durability.

Steel framing quality must be straight and level to a standard that supports Magnum Board® to all surfaces in contact with framing. Installation to buckled or bent framing will result in tension within Magnum Board® that may lead to movement and establish surface cracking.

Prior to screw fixing Magnum board® internal wall linings onto steel framing, apply a **8-10mm min** continuous bead of construction adhesive to frame supporting the sheet to be installed, Including perimeter. (Refer to pg 3 for the correct construction adhesive product)

To ensure long-term durability and compliance with energy efficiency standards, light gauge steel framing must be protected in all environments, including areas with high humidity, salt air, and other corrosive conditions. This recommendation aligns with the NASH Technical Note NTN 006 which outlines specific requirements for thermal performance and condensation control in steel-framed buildings.

To prevent thermal bridging between Magnum Board and steel framing in buildings, steel framing **must** have the required thermal breaks, especially on the exterior face of framing as required per the National Association of Steel-Framed Housing standard (NASH STD). This helps mitigate conductive thermal bridging and condensation risks.



Before You Start - Continued

RESPONSIBILITY

It is the responsibility of the installer to inspect their workplace prior to beginning the installation of Magnum Board® to ensure installed work will meet the owner / contractor's requirements. The owner / contractor must be notified of any concerns prior to the start of Magnum Board® Interior Wall and Ceiling Board placing.

WARRANTY

While every effort has been made to ensure a satisfactory outcome with respect to the use of Magnum Board® Interior Wall and Ceiling Board - along with all Magnum Board® products - no dialogue or negotiation will be considered if any method or third-part product has been used a part from those described in this technical manual. Any warranty - written or implied - will be subject to examination, and will apply solely to the quality of the Magnum Board® product being deficient at the point of purchase only, or the subsequent deficient performance of the product once the correct method of installation has been determined. Any deficient performance resulting from the application of a third party product, will become the responsibility of that products manufacturer and / or agents. Magnum Board® and its associated agents will not be held responsible for any such incident or outcome.

USING MAGNUM BOARD® IN RELATION TO OTHER MANUFACTURERS PRODUCTS

Magnum Board® must be free of all dust, paint and / or other surface contaminants before the commencement of any third party application or process.

In case of an apparent conflict between the Magnum Board® instructions and those of a third party, contact www.healthbasedbuilding.com for clarification.

DESIGN CONSIDERATIONS

All design and construction must comply with appropriate requirements of the current Building Code an other applicable local regulations and standards.



Before You Start - Continued

HANDLING, MAINTENANCE AND STORAGE REQUIREMENTS

Even though Magnum Board® is a non-toxic building material, always wear a dusk mask, safety glasses and follow MSDS Guidelines.

Never use a circular saw blade that is inappropriate for the specific operation being undertaken.

Never use a grinder or continuous rim diamond blade for cutting.

Never dry sweep.

It is good construction practice to marshal or stage the materials to be installed as close to the point of installation as possible.

When cutting Magnum Board® ensure the supporting structure is level and preventing distortion. Distortion in Magnum Board® will establish inaccuracy in the edge being cut regardless of correct cutting equipment being involved.

Always protect all edges of Magnum Board® prior to and during installation.

Do not stack other materials on top of Magnum Board®.

During construction, ensure Magnum Board's® surface is kept clean and unmarked by the removal of any building material waste, soil, or any organic or other potential contaminant, before the application of decorative coverings and coatings.

Magnum Board® must be stored inside, in a well ventilated area, up off concrete floors, kept dry, out of direct sunlight and away from freezing conditions.



Cutting & Rebating Magnum Board

CUTTING MAGNUM BOARD

NOTE: We recommend use of qualified installers and use of FESTOOL cutting and extraction systems.

Magnum Board can be cut with a keyhole saw, saber saw, or power saw equipped with a carbide blade and HEPA vacuum extraction.

Measure accurately and mark your cutting locations before cutting

Make circular cuts and irregular angle cuts using a cement board bit, carbide tipped bit keyhole saw or a saber saw.

To perform cut outs for electrical outlets, light receptacles, switches, carefully measure and mark the location of the opening on the face of Magnum Board. Outline the opening in pencil and cut it using equipment described

Position cutting station so that wind will blow dust away from the user or others in the working area and allow for ample dust dissipation.

Score and snap using carbide-tipped scoring knife or utility knife. NOTE: Ability to use this method depends on thickness of Magnum Board being installed.

Never use a circular saw blade that is inappropriate for the specific operation being undertaken. Never use a grinder or continuous rim diamond blade for cutting.

Never dry sweep. Use wet suppression methods or HEPA vacuum.

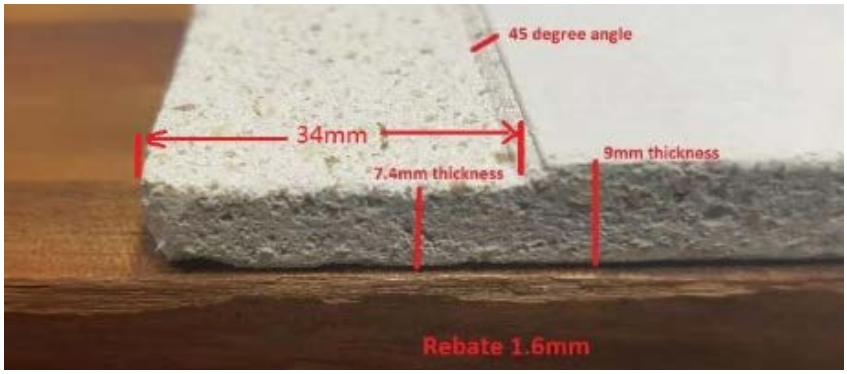
Magnum Board Festool cutting video is available via the link below

Cutting video available at: https://vimeo.com/showcase/4710097

REBATING MAGNUM BOARD

Magnum Board must be rebated with a RebateMate Tool as pictured above. RebateMate tool is Available for purchase at www.plasteringsupplies.com.au or hire from www.healthbasedbuilding.com/rebate-mate-daily-hire
When rebating edges, the rebate dimensions must match the dimensions pictured below. **Magnum Board Rebating video is available via the link below**.

Rebating video link: https://vimeo.com/286456315



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Magnum Board Wall & Ceiling Fixing Pattern



ORIENTATION OF PANELS & FIXING PATTEN

NOTE: Magnum Board™ Wall and Ceiling must be installed vertically as per detail below.

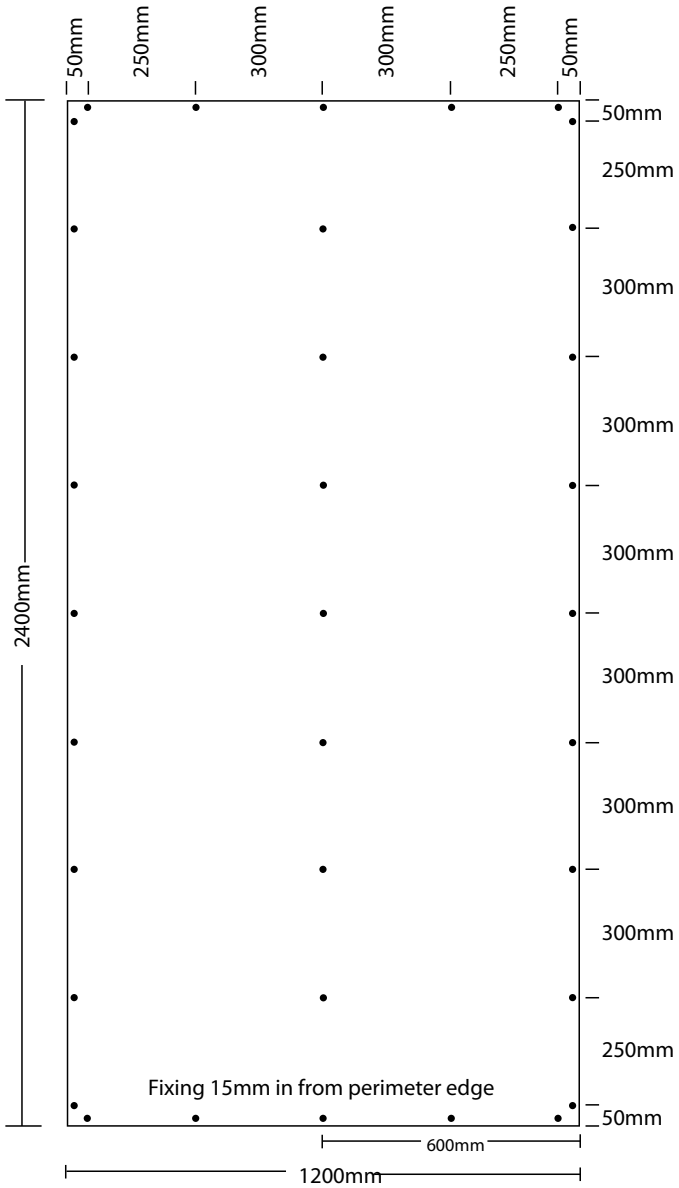
Fixing pattern is 15mm in from outside edges.

Begin fixing at central fixing position in board to hold in place followed by perimeter fixings

1 - Central fixing to hold sheet in position
2 - 50mm in from corners
3 - 250mm in from corners
4 - 300mm spacing there after
5 - 600mm centres across 1200mm width.

The diagram below gives the spacing's required to ensure optimum performance from Magnum Board®. These fixings are in addition to the application of construction adhesive to framing as per instructions on (pg 11 and 13).

Please NOTE: that the sheet shown is 2400 x 1200 x 9m and larger sheets (2700 x 1200 x 9) & (3000 x 1200 x 9) will require additional fixings at the same pattern.



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Magnum Board Ceiling Framing Preparation & Alignment

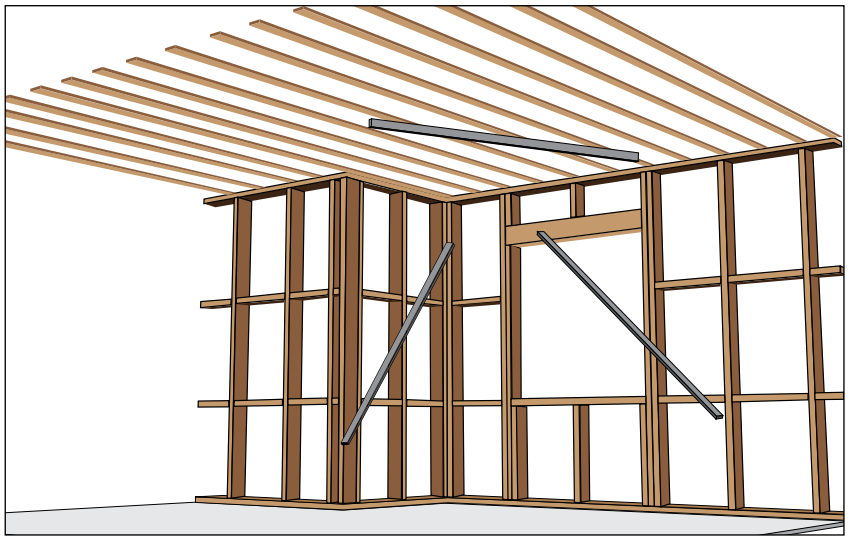
FRAMING PREPARATION

Showing timber framing at maximum 600 centres to support Magnum Board® installed to walls.

Showing ceiling battens spaced at 300mm centres.

A 1.8m straight edge is used to ensure framing and ceiling battens are level and straight in order to support Magnum Board® to all edges without packing material or distortion.

A framing preparation video is available via the link below.

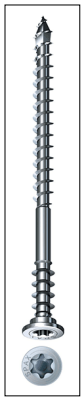


Framing preparation video available at: https://vimeo.com/showcase/4710097

SPAX ADJUSTING SCREW WITH TIMBER BATTEN SYSTEM

The Spax Adjusting Screw system is required for the installation and levelling of timber ceiling battens.

Please see link below to the Spax Adjustable Screw Video and PDF Flyer







Ceiling Batten 65mm x 35mm

Spax Adjusting Screw Video :https://www.youtube.com/watch?v=63nmb7xlHRE

Spax Adjusting Screw PDF: https://www.spaxpacific.com/products/adjusting-screw

RONDO ADJUSTABLE METAL BATTEN SYSTEM

Please see link below to the GIB Rondo Metal Batten Systems Specification and Installation Manual.



Rondo Metal Batten System Manual :https://www.gib.co.nz/assets/Uploads/GIB-Rondo-Metal-Batten-Systems-0924.pdf

Ceiling - Ceiling Batten Spacing & Alignment

CEILING BATTENS SPACED AT 300MM CENTRES

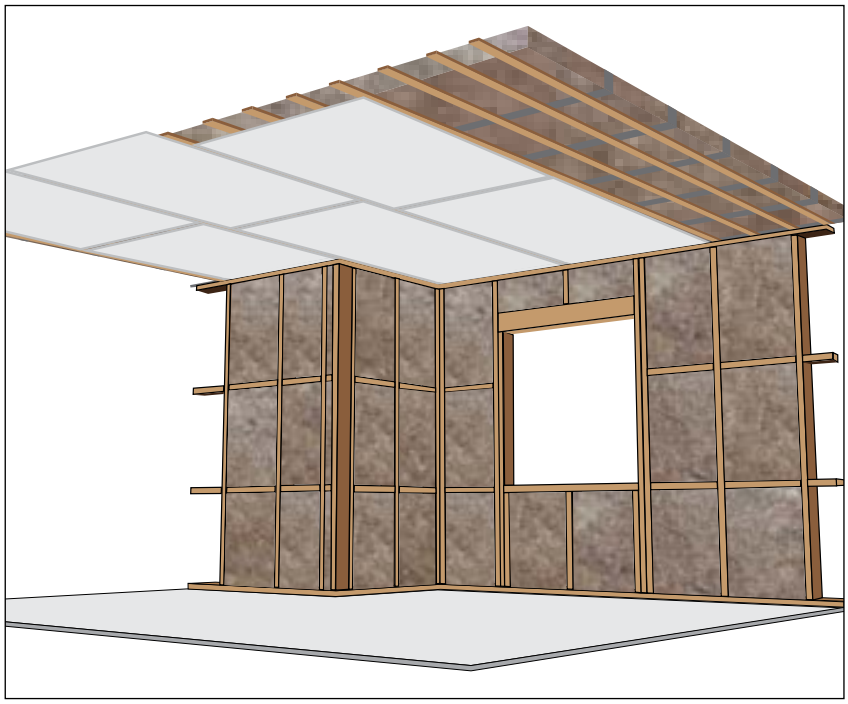
Magnum Board ceiling panels are to be installed before walls.

Timber or Steel wall framing at 600mm centres. (Diagram A)

Ceiling battens shown at 300mm spacing's to support Magnum Board® installed to ceilings.

SPAX Flyer Adjustable Flat Countersunk Screws (Figure 20) are required for Ceiling Batten installation to ensure battens are completely flat prior to installation of Magnum Board™

NOTE: A 300mm Stagger layout pattern is required to ensure stability in plastering joins.



(Diagram A) - Application to ceiling battens at 300mm Spacings

SPAX Adjustable Screw video available at: https://www.youtube.com/watch?v=63nmb7xlHRE

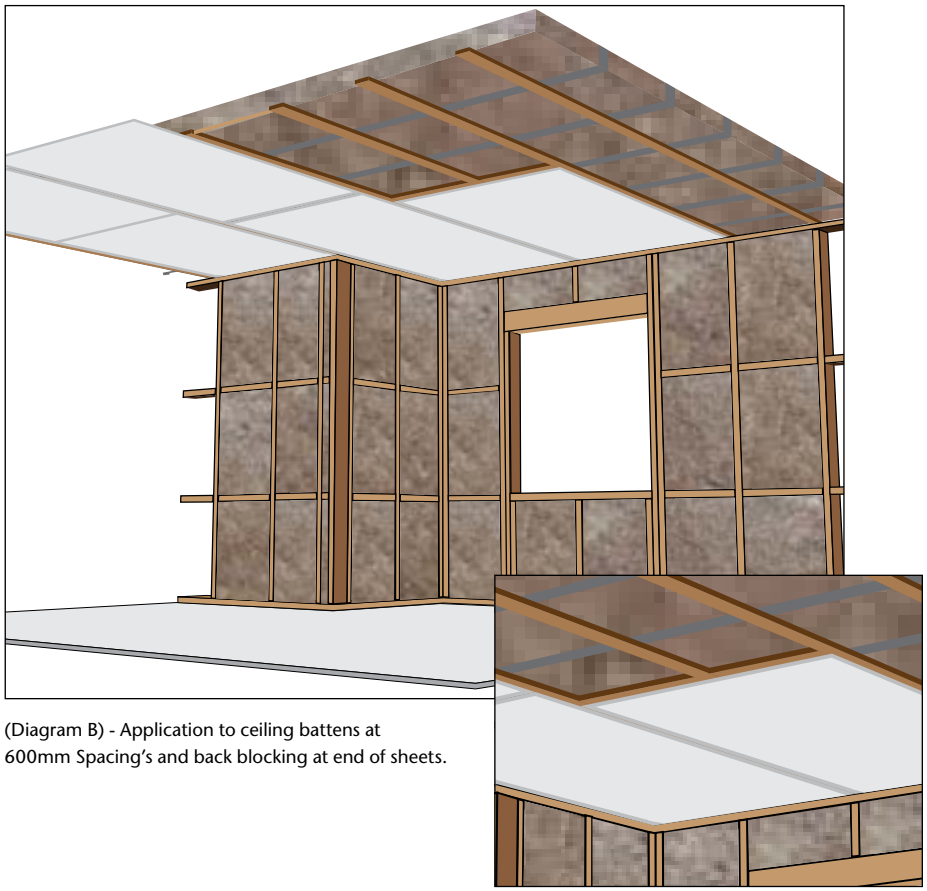
CEILING BATTENS SPACED AT 600MM CENTRES

Magnum Board ceiling panels are to be installed before walls.

Ceiling battens shown at 600mm spacing's (Diagram B) with back blocking at the end of sheets to ensure stability of plastering joins.

NOTE: Where end to end Joints are required, a rebated edge using a matching profile is required in preparation for plastering.

SPAX Flyer Adjustable Flat Countersunk Screws (Figure 20) are required for Ceiling Batten installation to ensure battens are completely flat prior to installation of Magnum Board™



(Diagram B) - Application to ceiling battens at 600mm Spacing's and back blocking at end of sheets.

Back Blocking at the end of sheets.

Ceiling - Application of Construction Adhesive

Showing ceiling battens spaced at 300mm (Diagram C)

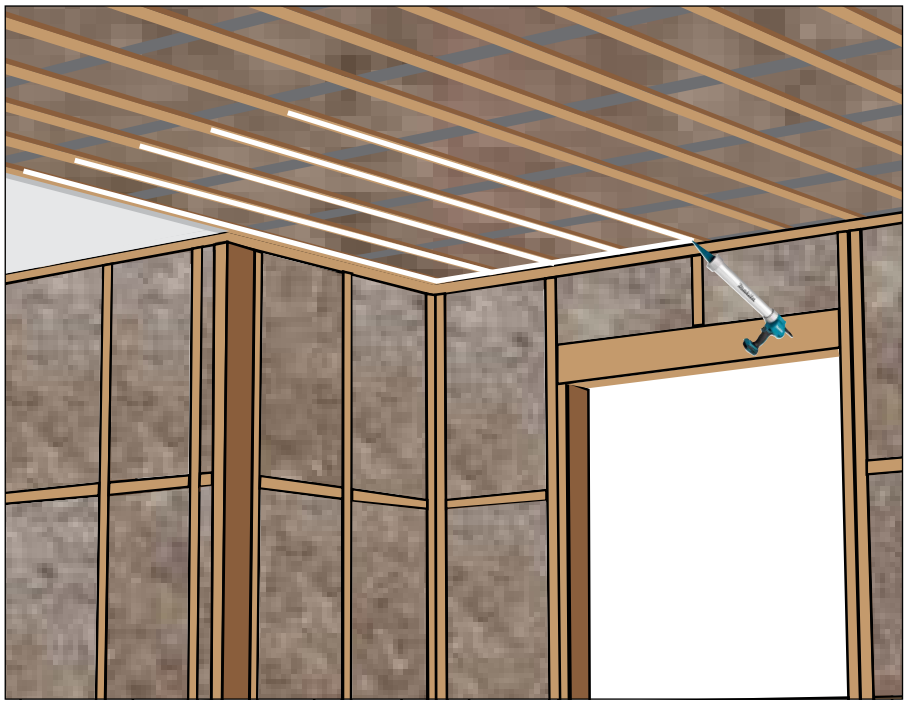
The pre-inspection check list (Refer to pg23) is for the purpose of ensuring the area to be lined is prepared correctly.

Apply the specified construction adhesive (Refer pg3) In a continuous bead (5mm min bead for timber framing) (8-10mm min bead for steel framing) to the battens supporting the sheet to be installed, including perimeter.

Application of construction adhesive is to be applied using a battery powered applicator (Figure 10).

Ensure adhesive is set back from the boards edge to reduce the risk of spread to the next board and to reduce the amount applied.

NOTE: Failure to apply a continuous min bead of construction adhesive can establish fluctuations to the surface and hairline cracks in the paint surface between joins.



(Diagram C) - Continuous application of construction adhesive to ceiling battens at 300mm centres.

(Diagram D) - Ceiling battens spaced at 600mm intervals with back blocking to ends of sheets.

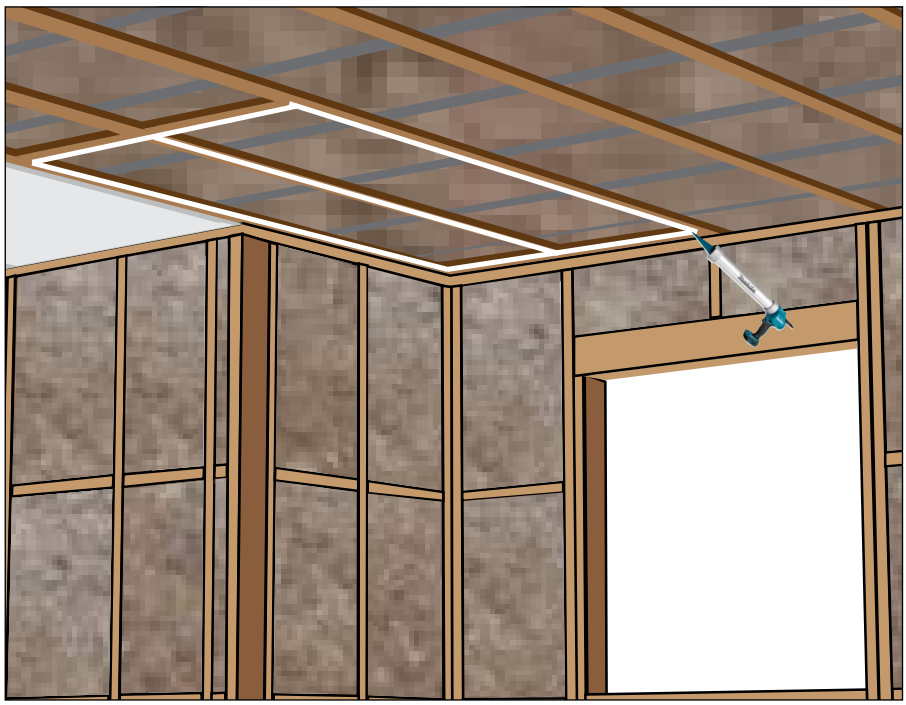
The pre-inspection check list (located at the back of this document) is for the purpose of ensuring the area to be lined is prepared correctly.

Apply the specified construction adhesive (Refer pg3) in a continuous bead (5mm min bead for timber framing) (8-10mm min bead for steel framing) to the battens supporting the sheet to be installed, including perimeter.

Application of construction adhesive is to be applied using a battery powered applicator (Figure 10).

Ensure adhesive is set back from the boards edge to reduce the risk of spread to the next board and to reduce the amount applied.

NOTE: Failure to apply a continuous min bead of construction adhesive can establish fluctuations to the surface and hairline cracks in the paint surface between joins.



(Diagram D) - Continuous application of construction adhesive to ceiling battens at 600mm centres and back blocking

Ceiling - Installation of Magnum Board Panels

(Diagram E) - Showing ceiling battens spaced at 300mm centres.

Magnum Board™ interior wall and ceiling board shall be installed rebate edge to rebate edge.

NOTE: (Diagram E) Where end to end Joints are required, a rebated edge using a matching profile is required in preparation for plastering.

(Refer Pg 7) for rebating Magnum Board instructions.

Magnum Board interior wall and ceiling panels are screwed to timber or metal batten immediately after applying a continuous bead of construction adhesive to frame as per instructions.

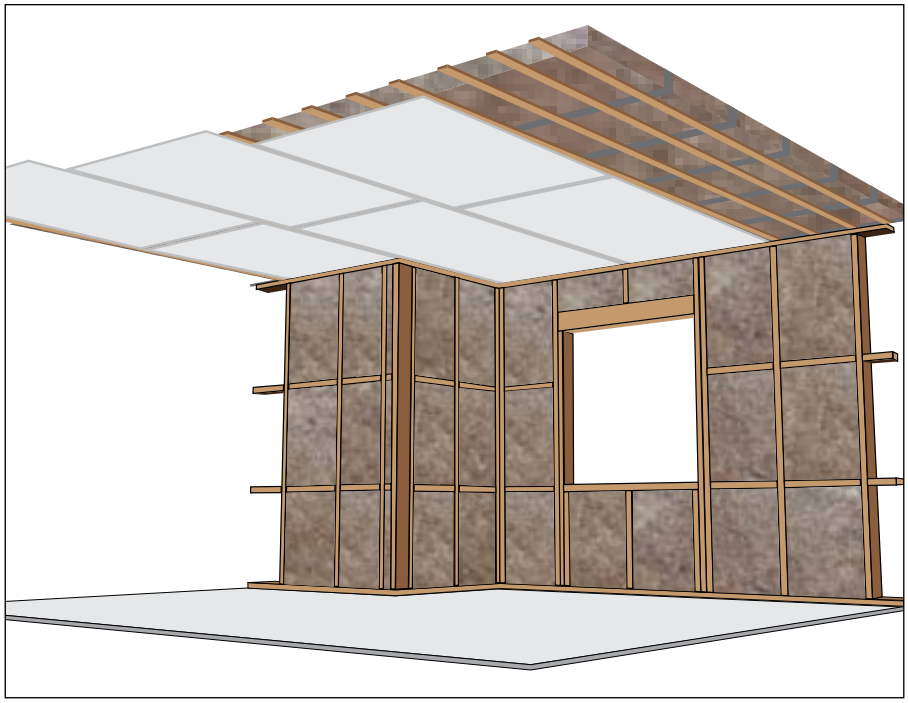
Position panels in a 300mm staggered layout using a panel lifter or with assistance. Ensure the board is pressed tightly to the battens.

Begin screw fixing from the centre of the board, then perimeter fixing once board is held in place.

(Refer to Pg 8) for fixing pattern instructions

(Refer to Pg 3) Products, Tools & Equipment Required for the correct adhesive and screws to use with timber and metal framing.

Complete each panels installation before moving onto the next panel.



(Diagram E) - **Staggered Installation pattern to ceiling battens with 300mm centres.**

Walls - Application of Constructive Adhesive

Application of Constructive Adhesive.

The pre-inspection check list (Refer pg23) is for the purpose of ensuring the area to be lined is prepared correctly.

Timber or Steel framing spaced at 600mm centres shown.

Magnum Board™ Interior Wall must be installed vertically as illustrated in (Diagram F).

Interior Wall and Ceiling Board must be installed to the ceiling before the walls.

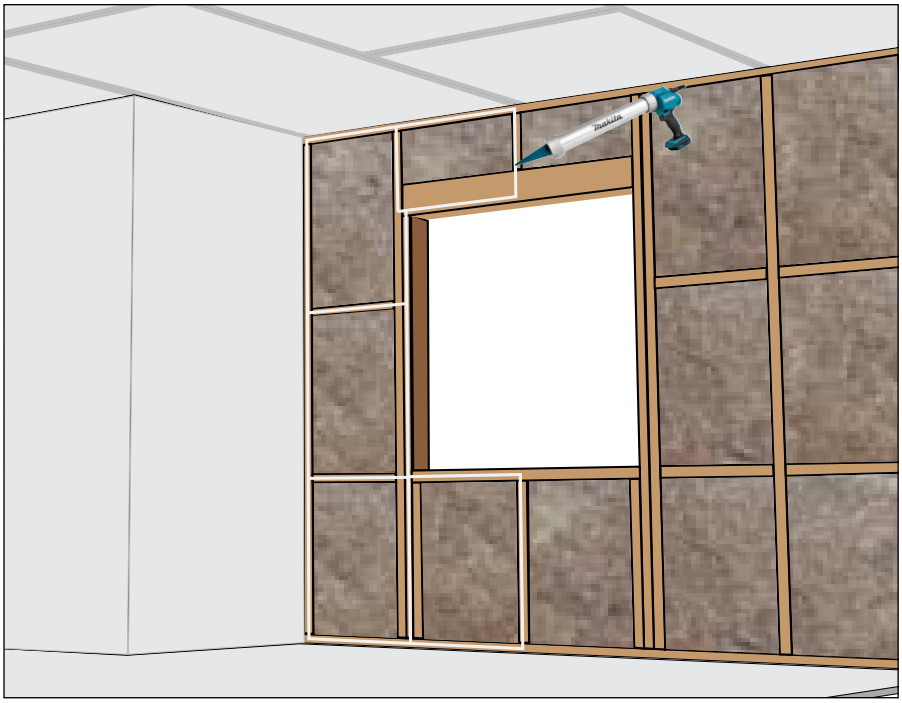
Always begin installation of Magnum Board™ Interior Wall and Ceiling Board to walls at the point of internal wall junctions.

Apply the specified construction adhesive (Refer pg3) in a continuous bead **(5mm min bead for timber framing) (8-10mm min bead for steel framing)** to the battens supporting the sheet to be installed, including perimeter.

Application of construction adhesive is to be applied using a battery powered applicator (Figure 10).

Ensure adhesive is set back from the boards edge to reduce the risk of spread to the next board and to reduce the amount applied.

NOTE: Failure to apply a continuous bead of construction adhesive can establish fluctuations to the surface and hairline cracks in the paint surface between joins.



(Diagram F) - A continuous bead of construction adhesive to framing supporting sheet to be installed

Bracing.

Bracing and openings information can be considered by accessing the below link.

Bracing and Openings Info : Magnum Board Bracing Manual.pdf

Wet Areas

Where Magnum Board™ Is to be installed in Wet Areas refer to the Mapei product information linked below.

Wet Area Installation : Mapei-product-application-to-magnum-board

Walls - Installation of Magnum Board Panels

Installation of wall panels.

Studs spaced at 600mm centres

Magnum Board™ Interior Wall and Ceiling Board is to be installed to the ceiling before the walls.

Magnum Board™ interior wall and ceiling board shall be installed rebate edge to rebate edge vertically as shown in (Diagram G).

Internal and External wall corners do not require a rebate.

Always begin installation of Magnum Board™ Interior Wall and Ceiling Board to walls at the point of internal wall junctions.

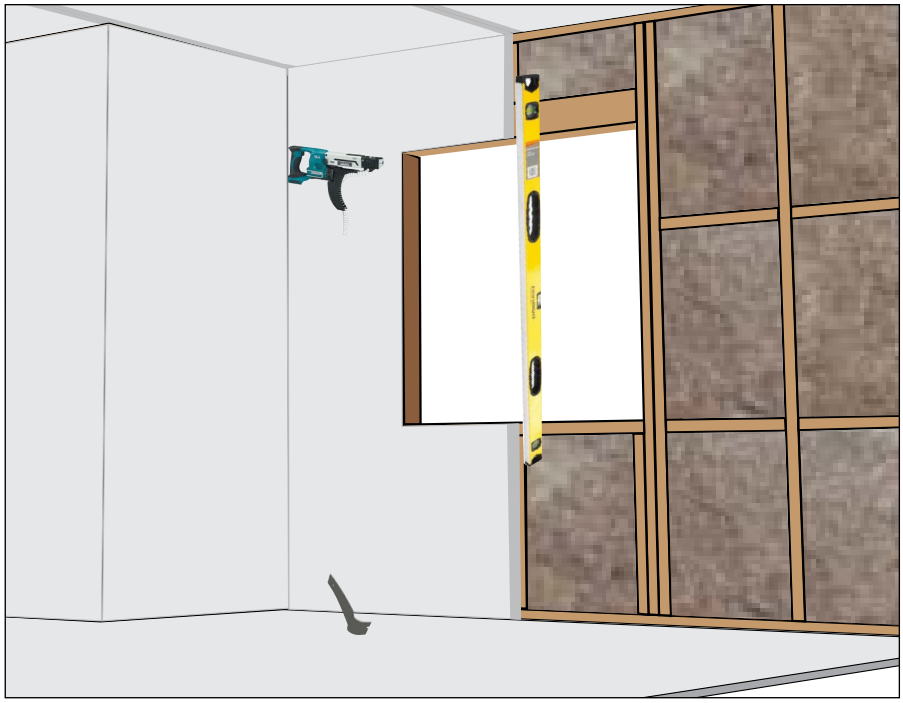
Apply construction adhesive in a continuous bead as per instructions on pg13

A lever bar (Figure 22) to the floor line is used to ensure Magnum Board is pushed up tight to where it meets Magnum Board at the ceiling junction.

Do not rely on the internal corner framing to establish correct vertical positioning of board. Check Magnum Board for correct vertical alignment using a minimum 1.8m spirit level (Figure 14).

Begin screw fixing from the centre of the board, then perimeter fixing once board is held in place. (Refer Pg 8) for fixing pattern. Complete each panels installation before moving onto the next panel. (Refer pg3) Products, Tools, & Equipment for the correct adhesive and fixings.

Continue the process to complete the wall area.



(Diagram G) Magnum Board™ Interior Wall and Ceiling Board installation

MGO Plastering Solutions link.

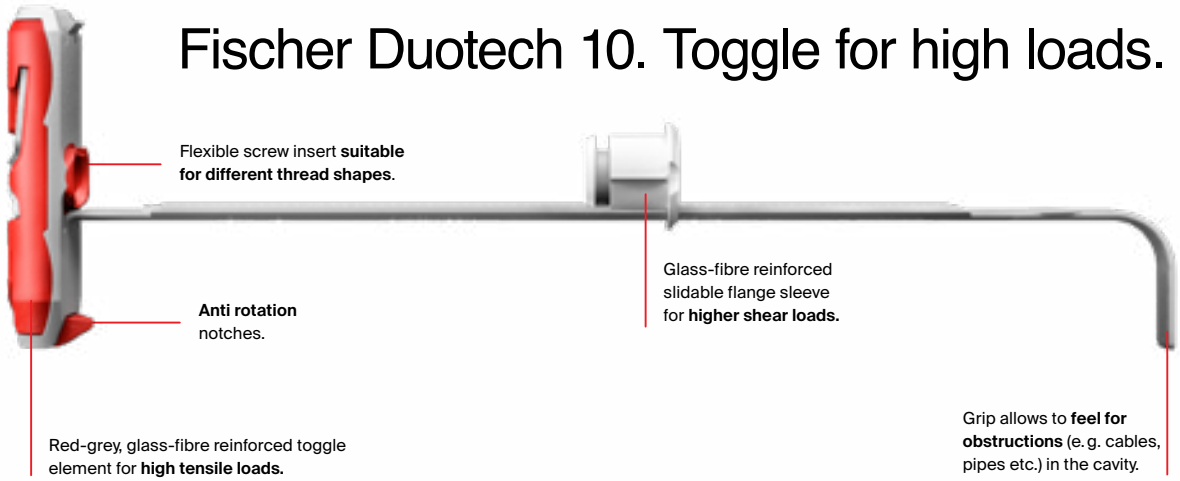


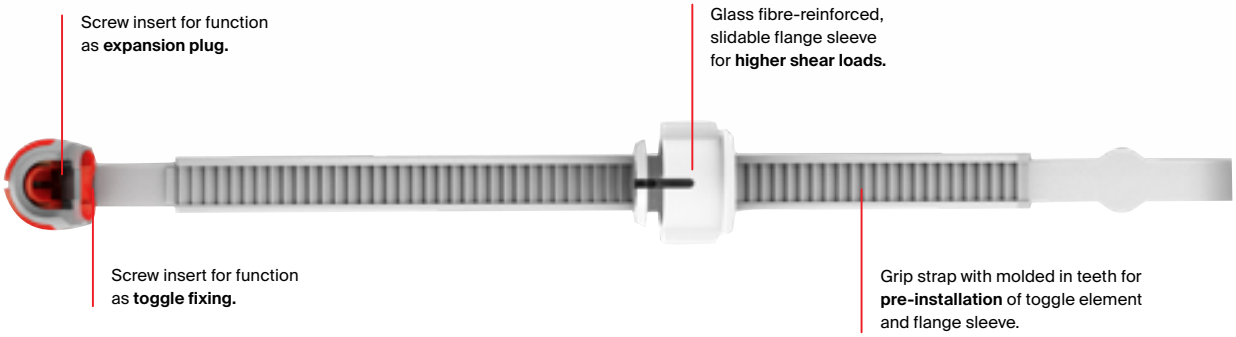
Installing Grab Rails off stud with 12mm Magnum Board® and Fischer Duotech.

fischer

fischer DuoTec.
Toggle for
high loads.

Fischer Duotech 10. Toggle for high loads.



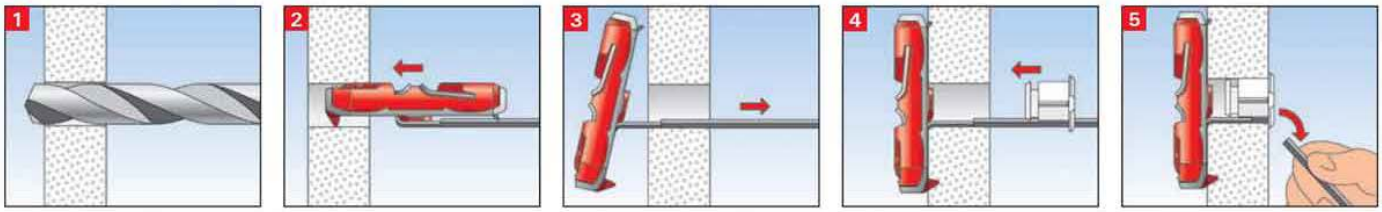






Installation of DUOTEC10 Toggle

- The fischer DUOTEC is designed for pre-positioned installation.
- Simple installation with a standard diameter 10mm masonry drill bit.
- Install as per the following steps:



For further INSTALLATION INSTRUCTIONS and information please see links below:

fischer DUOTEC 10 product information

fischer DUOTEC Installation Video

AnchorMark DUOTEC 10 product information

HOME of MAGNUM BOARD®

"The New Generation *GREEN* Building Material"

"Install It for Health-Install It for Life"

Sheathing & Trim Products

Magnum Board Material Safety Data Sheet

MSDS No.: MBGEP-032107-5

Magnum Board® Brand Products

SECTION 1: COMPANY AND PRODUCT INFORMATION

Use:

Exterior: Sheathing, ceiling board, drop ceiling, siding, cladding and trim material.

Interior: Wallboard, ceiling board, tile backer board, underlayment and trim materials.

Structural Insulated Panels (SIPS) and Exterior Insulated Finish Systems (EIFS)

Other uses viewable online at:
https://www.healthbasedbuilding.com/magnum-board

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Hazard Class
Magnesium Oxide	1309-48-4	None
Magnesium Chloride	7786-30-3	None
Cellulose	9004-34-6	None
Perlite	93763-70-3	None
Proprietary Additives	N/A	None
Fiberglass Scrim	65997-17-3	None

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: Non-toxic, non-explosive and is not a fire hazard.

Primary Routes of Entry:
Eyes:
Dust may irritate the eyes from mechanical abrasion causing watering and redness.

Skin:
Dust may cause irritation of the skin from friction but cannot be absorbed through intact skin.

Ingestion:
Unlikely under normal conditions of use but swallowing the dust from this product may result in irritation to the mouth and gastrointestinal tract.

Inhalation:
Dust may cause irritation of the nose, throat, and airways, resulting in coughing and sneezing. Certain susceptible individuals may experience wheezing (spasms of the bronchial airways) on inhaling dust during sanding or sawing operations.

SECTION 4: FIRST AID MEASURES

EYES:
Remove contact lens. Flush with running water or saline for at least 15 minutes. Seek medical attention if redness persists or if visual changes occur.

SKIN:
Wash with mild soap and water. Contact physician if irritation persists or later develops.

INGESTION:
If ingested, dilute by drinking large amounts of water. Do not induce vomiting. Seek medical attention.
If unconscious, loosen tight clothing and lay the person on his / her side. Give nothing by mouth to an individual who is not alert and conscious. Seek medical attention.

INHALATION:
Remove to fresh air. If shortness of breath or wheezing develops, seek medical attention.

NOTES TO PHYSICIAN OR FIRST AID PROVIDERS:
Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Magnum™ Building Products line of "Magnum Board®" Products are nonflammable, non-explosive and noncombustible.

Fire and Explosion Hazard
Flash Point: Not applicable.
Auto-ignition: Not applicable

Extinguishing Media:
This material is noncombustible. Appropriate extinguishing media should be used for surrounding fire.

Fire Fighting:
Firefighting personnel should wear normal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

No special precautions are necessary to pick up product that has been dropped. The following applies only to spills or releases of dust generated during cutting or sanding Magnum Board®.

Precautions:
Good housekeeping practices are necessary for cleaning up areas where dust has been produced. Take measures to either eliminate or minimize the creation of dust.

Wherever possible, practices likely to generate dust should be controlled with engineering controls such as local exhaust ventilation, dust suppression with water and containment, enclosure or covers.

Cleanup Methods:
A fine water spray may be used to suppress dust when sweeping (dry sweeping is not recommended). Vacuuming with an industrial vacuum cleaner outfitted with a high-efficiency particulate (HEPA) filter is recommended over sweeping. Waste may be disposed of by landfill in compliance with federal, provincial, state and local requirements governing non-toxic mineral materials

Avoid using materials and products that are incompatible with this product. (Refer to section 10.)

SECTION 7: HANDLING AND STORAGE

Handling and Storage Products in their intact state do not present a health hazard. The controls below apply to dust generated from the boards by cutting, drilling, routing, sawing, crushing, or otherwise abrading, and cleaning or moving sawdust.

Other Precautions:
Even though Magnum Board® has been tested and deemed nontoxic, Magnum Building Products recommends that exposure to dust be kept as low as reasonably possible. Respirable levels should not exceed those specified by OSHA and MSHA and identified in this MISDS. Exposure to respirable (fine) dust depends on a variety of factors, including activity rate (i.e. cutting rate), method of handling (i.e. electric shears), environmental conditions (i.e. weather conditions, workstation orientation) and control measures used.
Wherever possible, practices likely to generate dust should be carried out in well ventilated areas (i.e. outside). The work practices and engineering controls set out in Section 8 should be followed as precautions to reduce dust exposures.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Cutting Outdoors:

1. Magnum Building Products recommends positioning cutting station so that wind will blow dust away from user or others in working area and allow for ample dust dissipation.
2. Use one of the following methods based on the required cutting rate and jobsite conditions.

Best

- Score and snap using carbide-tipped scoring knife or utility knife (Ability to use this method depends on thickness of Magnum Board® being installed.)
- Fibercement board shears (electric or pneumatic).

Better

- Dust reducing circular saw equipped with appropriate blade and HEPA vacuum extraction.

Good (for low to moderate cutting only)

- Dust reducing circular saw with appropriate saw blade.

Always use correct tools when executing all cutting operations.

Ventilation:
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limit.

Respiratory Protection:
Dust mask is recommended.

Eye Protection:
When cutting material, dust resistant safety goggles / glasses should be worn and used in compliance with ANSI Standard Z87.1-1-1989 and applicable OSHA (i.e. 29 CFR 1910.133) standards.

Skin Protection
Loose comfortable clothing should be worn. Magnum Building Products recommends that direct skin contact with dust and debris be avoided when possible, by wearing long sleeved shirts and long trousers, a cap or hat, and gloves.

Sanding / Drilling / Other Machining:
If sanding, drilling, or other machining is conducted, Magnum Building Products recommends wear a NIOSH-approved dust mask.

Important Notes:

1. For maximum protection (lowest respirable dust production), Magnum Building Products recommends always using "Best" level cutting methods where feasible.
2. Always use a circular saw blade that is appropriate for the specific operation being undertaken.
3. Dry sweeping is not the preferred clean up method - Magnum Building Production suggests wet suppression methods or HEPA vacuum.
4. It is not recommended that a grinder or continuous rim diamond blade be used for cutting.
5. Always follow tool manufacturer's safety recommendations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
Various colors depending on application, each with varying dimensions according to product used.

Odor:
Very mild

Physical State:
Solid boards

Vapor Pressure:
Not relevant.

Specific Gravity:
Not relevant.

Flammability Limits:
Not relevant.

Boiling Point:
Not relevant

Melting Points:
Not relevant.

Flash Point:
Not relevant.

Auto-ignition Temperature:
Not relevant.

Volatility:
Not relevant.

Solubility in Water:
Not relevant.

Evaporation rate:
Not applicable.

NFPA Ratings (Scale 0 – 4)
Health = 1
Flammability = 0
Reactivity = 0
Personal Protection = E

SECTION 10: STABILITY AND REACTIVITY

Stability:
The Magnum Board products identified in section 1 are stable under ordinary conditions.

Conditions to Avoid:
Excessive dust generation without proper dust mask protection.

Materials to Avoid:

Incompatibility: Hydrofluoric acid will dissolve Magnesium Oxide and can generate Magnesium Chloride fumes.

SECTION 11: TOLXICOLOGICAL INFORMATION

Magnum Board® products are nontoxic in their intact form. The following applies to dust that may be generated during cutting and sanding.

Chronic Effects:

Inhaled: Repeated and prolonged overexposures to dust may cause increased risk of bronchitis. It is possible that repeated inhalation exposure to Magnum Board® fiber dust over time may lead to inflammation of the lungs in humans. All necessary precautions should be taken to prevent inhalation of dust to prevent these problems.

SECTION 12: ECOLOGICAL INFORMATION

Because Magnesium Oxide is a naturally occurring mineral, releases that may occur into the environment are not expected to leave any hazardous material that could cause a significant adverse impact.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of material, as an inert, inorganic mineral, in conformance with federal, provincial, state and local regulations. Magnum Board® is not an RCRA hazardous waste.

SECTION 14: TRANSPORT INFORMATION

There are no special requirements for storage and transport of Magnum Board™.

UN No: None allocated
Dangerous Goods Class: None allocated
Hazchem Code: None allocated
Poisons Schedule: None allocated
Packing Group: Not applicable
Label: Not a DOT hazardous material.

SECTION 15: REGULATORY INFORMATION

DOT Hazard Classification: None

Placard Requirement: Not a DOT hazardous material.

Pre-Installation & Post-Installation Checklist

NOTE: Warranty is valid by completion of this Pre-Installation & Post-Installation inspection checklist.

Site address: _____Inspection Date: _____

Owner/Applicant: _____

Head Contractor / Builder: _____ LBP #:_____

Mobile Phone: _____ Email: _____

Designer: _____ Mobile: _____

MAGNUM BOARD® 9mm & 12mm Rebated **PRE-INSTALLATION** CHECK LIST

NOTE: It is the responsibility of the certified installer to inspect their work place prior to beginning the placement, and to ensure that the placed work will meet supplier's requirements. Notify the owner / general contractor of any concerns prior to commencement of work.
NOTE: It is the responsibility of the installer to compile pre- and post- checklists and photographs in accordance with the quality plan.

- ☐ Framing configuration and fixing detail suitable for the installation.
- ☐ Framing moisture content - to be within BCA guidelines.
- ☐ Pre-Line Inspection Complete
- ☐ Framing flush and level.
- ☐ Wet areas defined
- ☐ Access and heights.
- ☐ Services identified.
- ☐ Health and safety plan in place.
- ☐ PPE and dust control in place.

MAGNUM BOARD® 9mm & 12mm Rebated **POST-INSTALLATION** CHECK LIST

NOTE: It is the responsibility of the installer to inspect the completion of the placement and to ensure placed work will meet the supplier's requirements. Notify the owner / general contractor of any concerns prior to commencement of work.

- ☐ Fixing details match recommended fixing pattern.
- ☐ Boards are straight and level.
- ☐ Sheet connections are tight.
- ☐ Screw heads are to finish flush or slightly below flush to board surface.
- ☐ Correct fixings Class 4 or 316 stainless steel (as per page 3) have been used
- ☐ Wet areas defined
- ☐ Waste material is removed or positioned for removal as a non-toxic material.
- ☐ PPE and dust control in place.

Approved building consent document number : _____

Approval authority : _____

Approval date : _____