



HOME of MAGNUM® BOARD

“The New Generation Building Material”

TECHNICAL BULLETIN No.:	062515-1324
Subject:	Guide for installing square edge Magnum Board®
Issue Date:	June 11, 2015
Issue No.:	1

1.0 PURPOSE

- 1.1 To provide a guideline for installing square edge Magnum Board®.
- 1.2 Square edge Magnum Board® is generally used for exterior applications and finished with Portland cement, synthetic stucco, brick or stone type products.
- 1.3 Caution: If painted, seams may show thru painted surface.

2.0 GENERAL

- 2.1 Magnum Board® is installed very similar to standard gypsum and cement based products.

3.0 RESPONSIBILITY

- 3.1 It is the responsibility of the installer to ensure the framing to which the Magnum Board® is affixed is square. If using wood framing, always be sure wood is dry before installing Magnum Board®
- 3.2 Out of square framing, unstable framing or installing Magnum Board® over wood framing with excess moisture may lead to board and / or joint cracking due to stress.
- 3.3 If problems exist, notify the owner / general contractor prior to the installation of Magnum Board® and insist on corrective action.

4.0 MATERIAL HANDLING REQUIREMENTS

- 4.1 Marshal or stage materials as close to the point of installation as possible.
- 4.2 Always store Magnum® flat and protect it from weather and jobsite dirt before, during and after installation.
- 4.3 Always protect the corners of Magnum® Board prior to and during installation.
- 4.4 Do not stack other materials on top of Magnum® Board.

5.0 MATERIAL REQUIREMENTS

- 5.1 Premium-grade, high performance, moisture cured, 1-component, polyurethane-based non-sag elastomeric sealant / adhesive such as “Sikaflex 1a or equal.
- 5.2 Putty knife

6.0 PROCEDURE

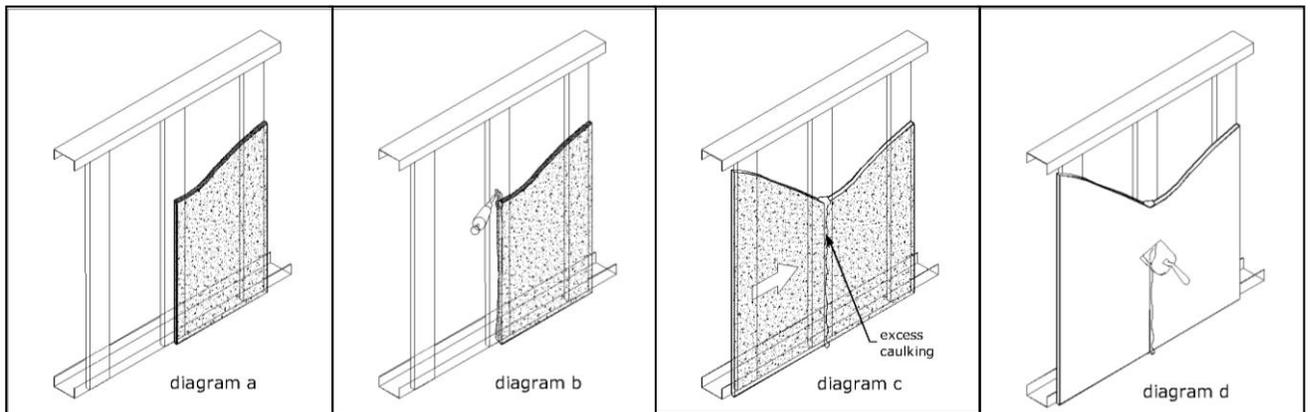
5.1 CUTTING MAGNUM BOARD®

- 5.1.1 Cut Magnum Board® with a carbide tipped scoring knife or a power saw equipped with a carbide blade. We recommend that you use a T-square to help ensure your cuts are straight and even.
- 5.1.2 Make circular cuts and irregular angle cuts with a Roto Zip, or equal, equipped with a cement board bit or carbide tipped bit, a keyhole saw, saber saw, or equal.

5.2 INSTALLING MAGNUM BOARD® ON EXTERIOR WALLS WHERE FINAL FINISH IS SPECIFIED AS PAINT

- 5.2.1 Starting with proper framing ensure studs are straight and square to allow for adequate fastening surface at adjoining walls and flat stress free installation of Magnum Board®.
- 5.2.2 Install Magnum Board® vertically to allow for maximum fastening to studs.
- 5.2.3 Follow the fastener guideline below.
- 5.2.4 Install first sheet of Magnum Board® Sheathing flush with the vertical stud to which it is being fastened. Reference diagram A.
- 5.2.2 Apply a generous amount of exterior caulk to the entire edge of the Magnum Board® Sheathing. Reference diagram B
- 5.2.3 Install next sheet of Magnum Board® Sheathing butting joints together tightly. A small amount of caulk should squeeze to the surface along the entire seam. Reference diagram C.
- 5.2.4 Using a putty knife, remove excess caulk from butt joint leaving a smooth “seamless” appearing surface between the two-(2) installed sheets of Magnum Board® Sheathing.
- 5.2.5 Clean putty knife after smoothing every joint to eliminate buildup of on putty knife.
- 5.2.6 Countersink all fasteners.

- 5.2.7 Using a putty knife, apply lightweight spackling (Rapid Set “One Pass” may be substituted for this application) to all fastener countersinks ensuring the application is smooth and blends into the flat surface of the Magnum Board® Sheathing. This will help ensure a glass smooth painted finish.
- 5.2.8 If necessary to sand the fastener counter sink areas, use a light weight sand paper to ensure a smooth finish for painting.
- 5.2.9 Always ensure caulk IS completely dry before sanding and painting.



5.3 INSTALLING MAGNUM BOARD® ON EXTERIOR WALLS WHERE FINAL FINISH IS SPECIFIED AS OTHER THAN PAINT

- 5.3.3 Consult with your installer or the manufacturer of the product that is specified as your final finish seeking instructions on countersinking fasteners and how to prep the fastener locations to accept the specified final finish.

5.4 INSTALLING MAGNUM BOARD® ON EXTERIOR CEILINGS

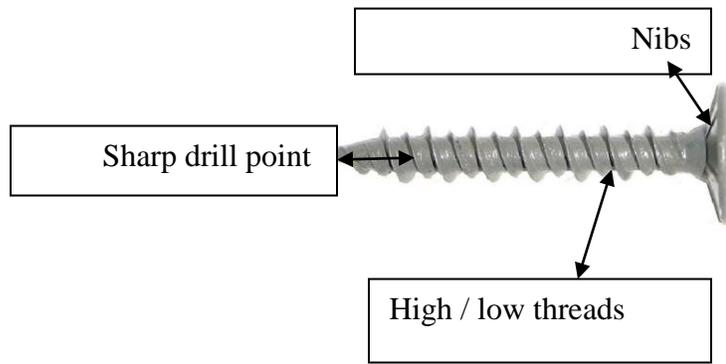
- 5.4.1 When installing Magnum Board® to ceilings, you may find it help to have a “T” Brace to hold the Magnum Board® panels in place while fastening.
- 5.4.2 Start with installing Magnum Board ceiling panels at right angles to joists. Use panel lifter or “T” Brace to support weight.
- 5.4.3 Stagger butt end joints so joints do not extend across the ceiling. It is recommended that you never place a butt end next to a tapered end.
- 5.4.4 Follow the fastener guideline below.
- 5.4.5 Slightly countersink each fastener to allow for proper finishing.

6.0 FASTENING

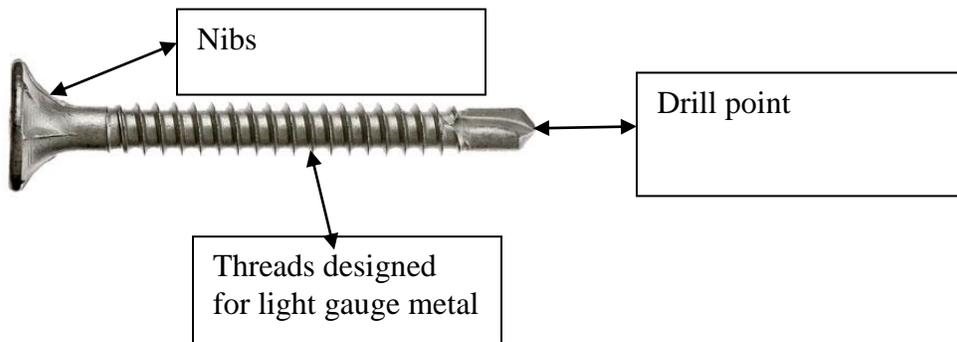
6.1 MgO board is slightly corrosive by nature to certain types of metal fasteners. MBP recommends using a 316 stainless material for all fasteners. Ceramic coated fasteners designed specifically for cement board products may also be acceptable; however, since all projects and project locations are different, we strongly recommend you always consult with a local fastener expert to ensure you are using the fastener material appropriate for your project.

6.2 Fastening with screws:

6.2.1 Fastening to wood studs with screws: Utilize a #9 flat head fastener with high / low threads and a sharp drill point.



6.2.2 Fastening to metal, 18 gauge or heavier, with screws: Utilize a #10 flat head screw with nibs under the head for countersinking into the Magnum Board®, and a self-drilling point for penetrating the light gauge metal.



6.3 Fastening using pneumatic pins.

6.3.1 Use hardened pins.

6.3.2 Pneumatic pressures vary depending on board thickness and stud material. Always set pressure based on countersinking needs.



6.4 Magnum Board® can be fastened direct to block. Call Magnum Building Products Tampa, FL office for installation details.

6.5 Fastening profiles:

6.5.1 Install fasteners no closer than 4" from corners.

6.5.2 Perimeter fasteners should be placed 6" apart.

6.5.3 Center fasteners should be placed 12" apart.

6.5.4 Install fasteners approximately 9/16" from the board edge

7.0 IMPORTANT NOTES / PRECAUTIONS

7.1 Always begin fastening at one side and proceed to fasten across the board to the other side to avoid stress.

7.2 Magnum Board® contains no carcinogenic material; however, a dust mask is always recommended during routing, cutting and / or sanding operations.

7.3 Installation must comply with all applicable local, state and federal codes and should also follow good installation practices.

8.0 AVAILABLE PRODUCT DIMENSIONS

8.1 Widths : 4' (1.2M)

8.2 Lengths: 8' (2.4M), 9' (2.7M), and 10' (3.0M)

8.3 Thickness: 3mm to 20mm

8.4 Special order sizes are available within the above width and overall length dimensions. Call for pricing and delivering information.

9.0 AVAILABLE EDGE PROFILES

9.1 Square edges



9.2 Tape relief edges for joint finishing.



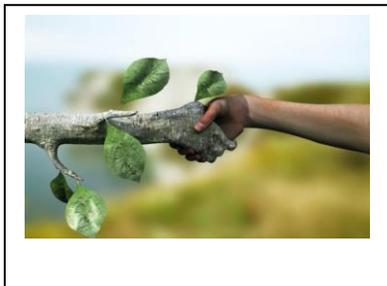
CAUTION:

Because materials expand and contract at different rates and under different conditions, no one, including Magnum Building Products, can guarantee crack free joints. The reports we have received from our customers indicate many types of joint compounds have been used successfully. Customers do tell us they have had good luck with paper joint tape and we pass this on for your information. We are happy to discuss with you the joint compound you intend to use and provide to you any feedback we may have received on that specific type; and, we are happy to tell you what our customers have had success with. Please call us at your convenience.

Please visit our drop box by following these simple instructions:

Go to: www.dropbox.com
Enter: Darmstrong@magnumbp.com
Password: Magnumbp2014

And, / or visit our website at www.magnumbp.com to view much more information about this **green** sheathing material including install guidelines and pictures of installations around the World.



On Behalf of
Mother - Nature

THANK YOU



“GOTTA GO GREEN”