

HOME of MAGNUM BOARD®

"The New Generation GREEN Building Material"
"Install It for Health-Install It for Life"

Providing a Complete Line of Fiberglass Reinforced MgO Building Materials

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_	Materials and Chlorides
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In recent years, Denmark and other locations have experienced chloride bleeding leading to framing corrosion by using poor quality Magnesium Oxi Chloride (MgO) building materials. Specifically, MgO building materials that include a much higher Magnesium Chloride (MgCI) content in their chemistry than is required to produce a quality product. These manufacturers also fail to adequately pre-qualify their raw material suppliers, inspect raw materials when received, inspect the power of those raw materials when preparing their batch mixes. The final product is generally a lighter density contains a much higher chlorides content than allowable.

Fiberglass reinforced MgO Building Materials are the safest building materials in the industry today. They are virtually impervious to fire, water and insects; do not feed mold and mildew; and are nontoxic. In fact, prior to decoration, Magnum® MgO building materials are C02 negative.

MgO Building Materials is a fast-growing industry worldwide. To be sure you are purchasing the highest quality materials, and avoid the issues experienced in other Countries, it is advantageous to purchase only from a company that has been third party certified. Magnum® Board Products (MBP) maintains many certifications, and our factory is audited quarterly, semiannually and annually by those third party certifiers to ensure MBP maintains its approved chemistry, manufacturing processes and inspection processes. MBP is certified in the United States and Canada to ICC, UL and CCMC standards. MBP is also certified in New Zealand and Australia, Africa and has special approval in Maui, Hawaii as the preferred building materials to help rebuild Maui following their devastating fires.

Let's examine how Magnesium Oxide and Magnesium Chloride work together to create a fiberglass reinforced MgO material. The Cementous bonding occurs utilizing the tested reactivity of the calcined light burn magnesium oxide combined with the proper Baumé concentration of magnesium chloride. By not controlling the potency of those raw materials, and subsequent mixture of those raw materials, results in free ions of

MgCl in high humidity environments. The board can become weaker and the free ions of MgCl become corrosive.

To combat these issues Magnum® Board Products has established a stringent quality control manual/program that includes prequalification of raw material suppliers, in checking raw materials upon receipt to be sure they meet MBP's stringent specifications, careful storage of raw materials, reinspection of raw materials before the batch process begins, then careful batching of the raw materials to produce a top-quality product. As part of the final inspection process, MBP conducts a test that measures the "free chloride ions" to ensure they meet MBP's requirements and prevent exactly what has occurred in Denmark and other Countries due to chloride bleeding and corrosion.

MBP fiberglass reinforced MgO building materials have been in production and use for almost twenty-(20) years with no reported issues. MBP is a known and highly trusted supplier of fiberglass reinforced MgO building materials worldwide and our product warranty backs that up.

MBP offers a complete line of fiberglass reinforced MgO building materials to meet every need a builder, contractor and homeowner may need for their project(s).

When installers follow the Magnum® Board Products installation and finishing instructions, you can be assured of decades of excellent service from all of the Magnum® Board® products.

For more information, please contact us as follows:

- For Canada, New Zealand, Australia, Hawaii and Alaska, Call: (+1) 585.820.7625
- For Africa and South Florida, Call (+1) 305.498.8186
- For all other locations, Call (+1) 813.900.2957

You can also access our website: www.magnum-bp.com, for additional information such installation instructions, installation gallery, product specifications and much more.