



Fire. Meet the Wall of Water.



Building with JetBoard™ delivers EIGHT TIMES the fire protecting power. JetBoard™ literally stops the fire. That means more time. And that means more lives saved. It's like having a fireman in the wall.

 **The ONLY MgO Board Made in America.** 

Constructed of naturally occurring Magnesium Oxide (MgO), JetBoard™ is truly a green building material manufactured in an American plant that is safe as a bakery and uses very little energy.

Naturally Resilient. Nature, Bring it On...

In addition to fire, JetBoard™ is resistant to moisture, mold, mildew, and insects. It's also very energy-efficient: In a structural insulated panel (SIP) application, MgO offers high "R" values: keeping rooms cooler in the summer, and warmer in the winter. When other materials yield to the elements; JetBoard™ stands strong.

No other board on the market today delivers the fire-stopping power of JetBoard™. While OSB and plywood fuel the flames, and gypsum resists the fire, JetBoard™ actually *fight*s the fire by releasing hydrated water molecules that absorb heat energy:

JetBoard™ Contains 13 Chemically Bonded Water Molecules $5H_2O$ (Concrete) + $8H_2O$ (Hydrate)

When Heat is Added, Water Vapor is Released...
The Equivalent of 30 lbs. of Ice per Board*

*Based on 4' x 8' 1/2" JetBoard™



Fire Resistant



Mold & Mildew Resistant



Insect Resistant



Moisture Resistant

Tested. Trusted. Taking Construction to the Next Level.

All MgO board is NOT created equal: The chemistry of MgO is complex and sensitive to manufacturing conditions. That's why only JetBoard™ is made in a controlled environment using proprietary, patented, and proven chemical processes that are the result of over 7 years of research and development. These innovative methods **maximize the natural fire resistance of MgO**. JetBoard™ has been tested extensively in certified labs and received structural certification through NTA in May 2013.

Proven Fire Resistance: ASTM E162 Test Results

Test Evaluators	JetBoard™	Sheetrock
Flame Spread Factor (Actual)	1	2.8
Flame Spread Factor (Reported)	0	5
Heat Evolution Factor	.7	2.0
Radiant Panel Index	.7	5.6

*Samples are 12 mm JetBoard™ and 5/8" Sheetrock (Fire-rated Gypsum)

E162 shows how a material absorbs heat energy from fire. The test revealed that JetBoard™ has a Radiant Panel Index of .7, while sheetrock has a 5.6 rating. **That means JetBoard™ provides 8 times more fire suppression!**



Strength - ASTM E72
Water Vapor Transmission - ASTM E96
Thermal Transmission - ASTM C518
Structural Transmission - ASTM E2099
Water Penetration - ASTM E331
Mold/Mildew Growth - ASTM D3273
Surface Burning - ASTM E84
Flame Spread: 0
Flame Spread - ASTM E162

Tough on the Elements. Easy on People and the Planet.

As tough as JetBoard™ is at keeping the elements at bay, it is remarkably people- and planet-friendly at every step: from the initial manufacturing process through installation into homes and other structures.

PEOPLE

- ⇒ **Safe** Unlike other common boards, JetBoard™ is completely nontoxic!
- ⇒ **Non-Carcinogenic** It contains no dangerous materials such as silica (Portland cement/gypsum boards), formaldehyde (OSB), or fly ash (some gypsum boards)
- ⇒ **Non-Irritant** Ideal material for those with chemical sensitivities and allergies

PERFORMANCE

- ⇒ **SIPs Solution** In a SIPs application, JetBoard™ offers many benefits: it reduces manpower, improves quality control, and shortens the construction timeframe
- ⇒ **Easy** JetBoard™ is simple to work with, doesn't crumble, and cuts easily (and safely... without any toxic dust!)
- ⇒ **Completely H₂O Tolerant** Ideal for flood prone and very humid areas

PLANET

- ⇒ **Green** JetBoard™ is recyclable and disposable, with similar properties to cattle feed; it can be used as a "green" fertilizer
- ⇒ **Small Carbon Footprint** JetBoard™ is made using very low energy input as compared to other cement boards
- ⇒ **Environmentally Friendly** JetBoard™ can even consume carbon-based waste from other manufacturing processes



JetBoard™ is manufactured by JetProducts™, an American company specializing in exterior and interior building products. JetProducts™ is quickly defining the future of green building with a wide range of construction materials featuring MgO.



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