

TechBoard® at a glance

- > **Flame spread index of 10 or less and a smoke developed index of 5 or less meeting Class A requirements**
- > **Integrating TechBoard® significantly minimizes the potential for twisting and bending caused by wind, seismic activity, and structural movement**
- > **Withstands extended exposure to moisture and does not delaminate**

Multiple Edge Profiles

- Square
- Tongue & Groove

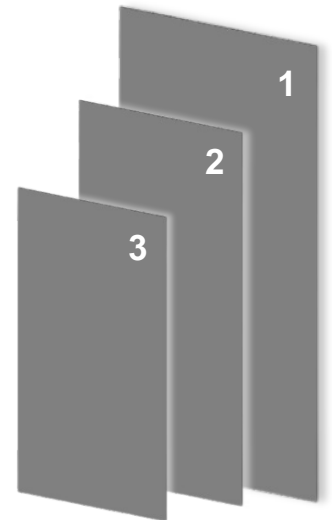
Structural Core

Reinforced with 4 layers of alkaline resistant fibreglass mesh



B1141 / QAI
CERus-1009

TechBoard® is a high-performance sheathing, backing board and underlayment manufactured with ZS2 Technologies' proprietary Magnesium Oxide (MgO) cement technology. Combining advanced material science with environmental responsibility, TechBoard® delivers exceptional strength and climate resilience without compromising on performance.



48" x 120" x 1/2" 1219 mm x 3048 mm x 12.7 mm	100 lb	1
48" x 108" x 1/2" 1219 mm x 2743 mm x 12.7 mm	90 lb	2
48" x 96" x 1/2" 1219 mm x 2438 mm x 12.7 mm	80 lb	3

Material Properties

¹² 24.305
Mg
Magnesium
[Na] 3s²
Alkaline Earth Metal

The performance advantages of advanced MgO cement technology

- Fire resistant
- Water resistant
- Mold resistant
- Pest resistant
- Humidity control
- Non-Toxic

Onsite Benefits



Where the benefits of offsite construction meet onsite efficiency

- Less waste
- Quality control
- Cost Certainty
- Reduced labor
- Reduced project schedule

Sustained Value



Reduce risk, while delivering lasting value from construction through operation.

- Sustainable Material
- Climate Resilient
- Structural Integrity
- Lower Operational Cost

Frequently Asked Questions

What are the key benefits of using TechBoard® in construction projects?

TechBoard® delivers superior fire resistance, moisture protection, and long-term durability, making it ideal for high-performance building envelopes. Its versatile application and straightforward installation process help reduce labor costs and accelerate project timelines.

What does TechBoard® replace in a conventional building?

TechBoard® can be used to replace traditional sheathing products like plywood, OSB, or drywall with a fire, mold, and water-resistant solution. Additionally, TechBoard® has increased structural capacities compared to traditional materials.

What makes TechBoard® sustainable?

ZS2's proprietary magnesium cement technology has only one-third the carbon footprint of traditional Portland cement materials. Our high-quality, durable materials are built to last, maintaining their strength and performance over time to reduce replacement needs and environmental impact. Ultimately, the most sustainable materials are the ones that don't need to be replaced.

Where can I buy TechBoard®?

TechBoard® is available directly through ZS2. Start by connecting with our team for a quote, and we'll help clarify board sizes, quantities, and any project specifics to make sure you get exactly what you need. Not sure where to start? Our material specialists across North America can guide you on the best fit for your region and project requirements, then get it shipped right to your site.

What certifications or standards does TechBoard® meet?

TechBoard® meets several rigorous certifications and standards to ensure high performance and safety. It is certified under QAI Listing B1141 and Code Evaluation Report CERus-1009, confirming compliance with key fire safety and building material standards. It meets ASTM E84, ASTM E119, CAN/ULC-S101, CAN/ULC-S102, and CAN/ULC-S135, covering fire endurance, surface burning and combustibility parameters.

Where can I find technical documentation or support for TechBoard®?

To take a deeper dive into TechBoard® application and data, view or download the product sheet, datasheet, and installation guide found under the Technical Documents section of the [TechBoard® webpage](#). For project-specific support, ZS2's technical team is available via email or phone.

How is TechBoard® installed, and does it require special tools or training?

TechBoard® installs using standard construction tools and techniques, similar to drywall or cement board. No special training is required and ZS2 provides guidelines to ensure simple installation for optimal performance.

Have a project in mind? Get in touch.

ZS2 is a leader in magnesium cement (MgO) construction solutions. By combining climate-resilient innovation with the advantages of prefab construction, our (MgO) cement technology delivers unmatched durability, fire resistance, and low carbon solutions setting a new standard for sustainable and resilient construction practices.

