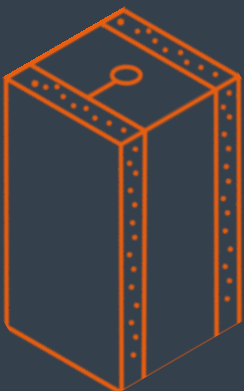


TechPanel™

Product Sheet

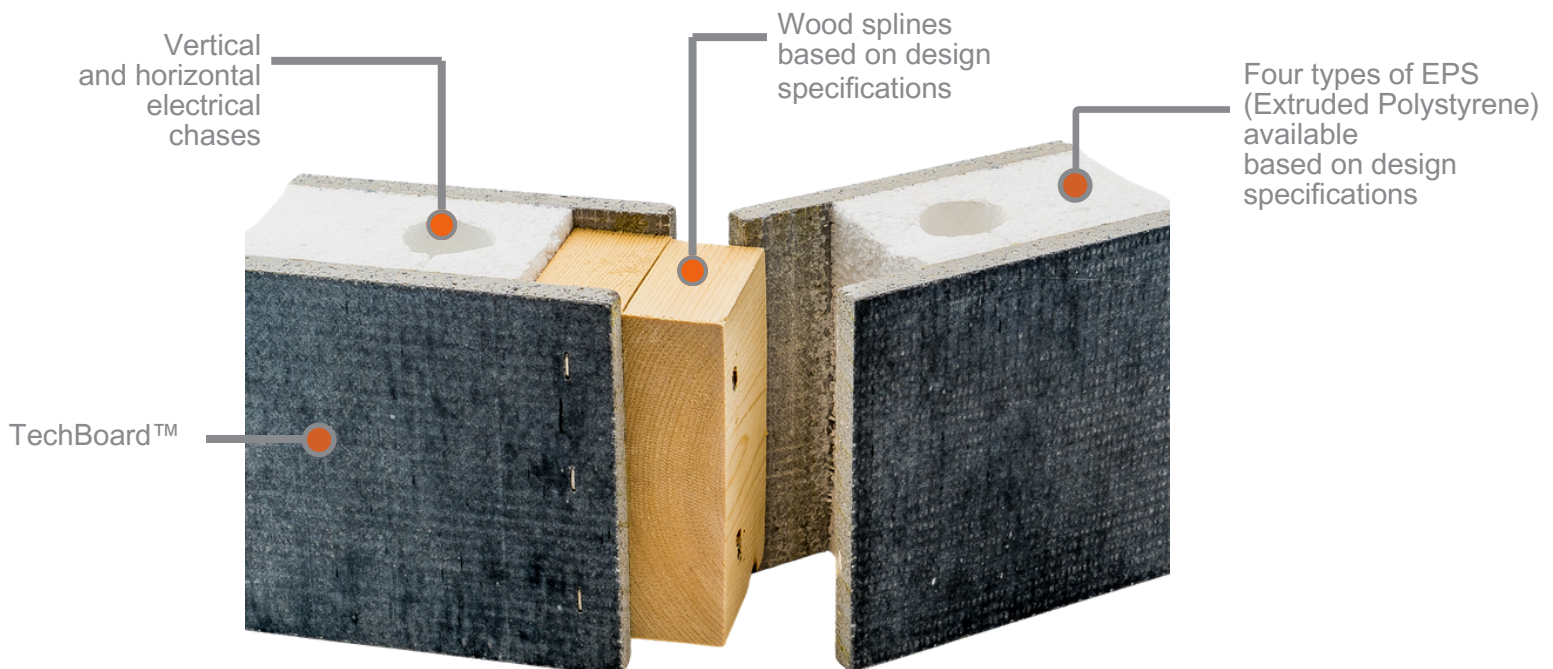


ZS2 TechPanel™

TechPanel™ is a manufactured structural insulated panel consisting of an insulating extruded polystyrene (EPS) foam core sandwiched between two (MgO) TechBoards™. Our magnesium based cement board leverages ZS2's core material science technology. Engineered for climate resilience, our TechPanel is fire, water, pest, and mold resistant while being environmentally responsible choice without compromising strength or performance.

Why TechPanels?

- ✓ Reduction in construction time
- ✓ Reduction in on-site labor
- ✓ Reduction in operating costs
- ✓ Reduction in landfill waste
- ✓ Reduction in remediation costs
- ✓ Less energy demand to heat and cool
- ✓ Reduction in transport costs
- ✓ ZERO loss of structural integrity during floods or fire
- ✓ Mold Resistant





**Fire
Resistant**



**Climate
Resilient**



**Carbon
Reduction**



**Water
Resistant**



Economical



**Speed & Ease
of Install**



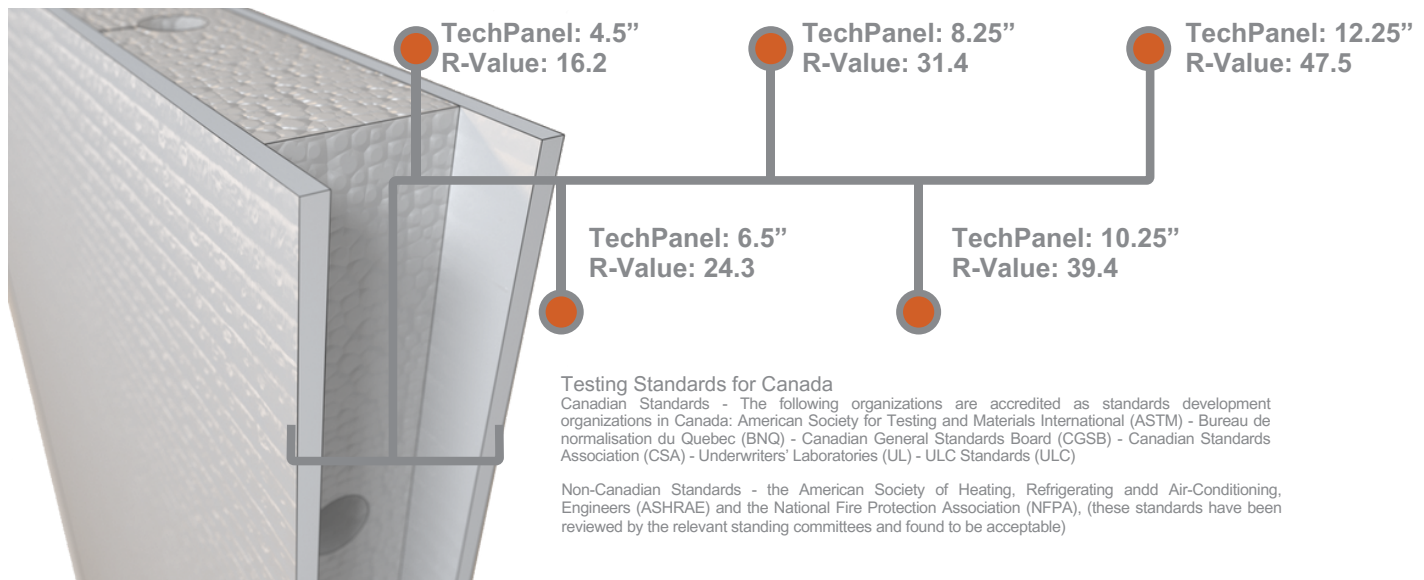
**Bacteria
Resistant**



How We Stack Up

	ZS² TechPanel™	Stick Frame Construction	Tilt Up Concrete	Metal Insulated Panels	ICF-Insulated Concrete Panels
Carbon Footprint	Low (captures CO₂)	Medium	High	Medium	High
Mold/Bacteria Resistant	Yes	No	No	No	Yes
Thermal Insulation (R-Value)	High	Low	Low (Unless insulated)	Medium	High
Fire Suppression	Yes	No	No	No	No
Flame Spread	No	High	No	No	High
Impact Resistant	High	Medium	High	High	Low
Water Resistant	Yes	No	Yes	No Corrosion	Yes

* minimum achievable value using standard Type 1 EPS





1. PRODUCT NAME

TechPanel™

2. MANUFACTURER

ZS2 Technologies
9128 52nd Street SE
Calgary, AB T2C 5A9

587.208.4972
www.zs2technologies.com
info@zs2technologies.com

3. PRODUCT DESCRIPTION

TechPanel™ is a manufactured structural insulated panel consisting of an insulating extruded polystyrene (EPS) foam core sandwiched between two magnesium oxide (MgO) TechBoards™.

4. USES

- i. Structural exterior application
- ii. Suitable for industrial, commercial, residential, multi-use residential and agriculture applications.

5. ADVANTAGES

- Fire Resistant
- Water Resistant
- Mold Resistant
- Corrosion Resistant
- Near Zero Chlorides
- Dimensional Stability

6. STANDARD DIMENSIONS

- 4.5 in. overall assembly
- 6.5 in. overall assembly
- 8.25 in. overall assembly
- 10.25 in. overall assembly
- 12.25 in overall assembly

7. TESTING STANDARDS

ZS2 technologies has completed significant third party testing to confirm and prove the ability of our board. Testing evidence is available upon request.

8. INSTALLATION

Installation guidelines have been produced by ZS2 technologies for all special construction area requirements, and every project is provided its own unique set of detailed set of installation drawings.

9. FASTENERS

Due to the sulfate presence in the MgO board, the use of corrosive resistant fasteners is recommended. ZS2 technologies can provide guidance on specific project requirements



MANUFACTURED IN NORTH AMERICA

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CONTACT US FOR A QUOTE

Through prefabricated construction technologies, combined with advances in material science, it's time to improve safety, close the productivity gap, increase building performance, and build for the future.