

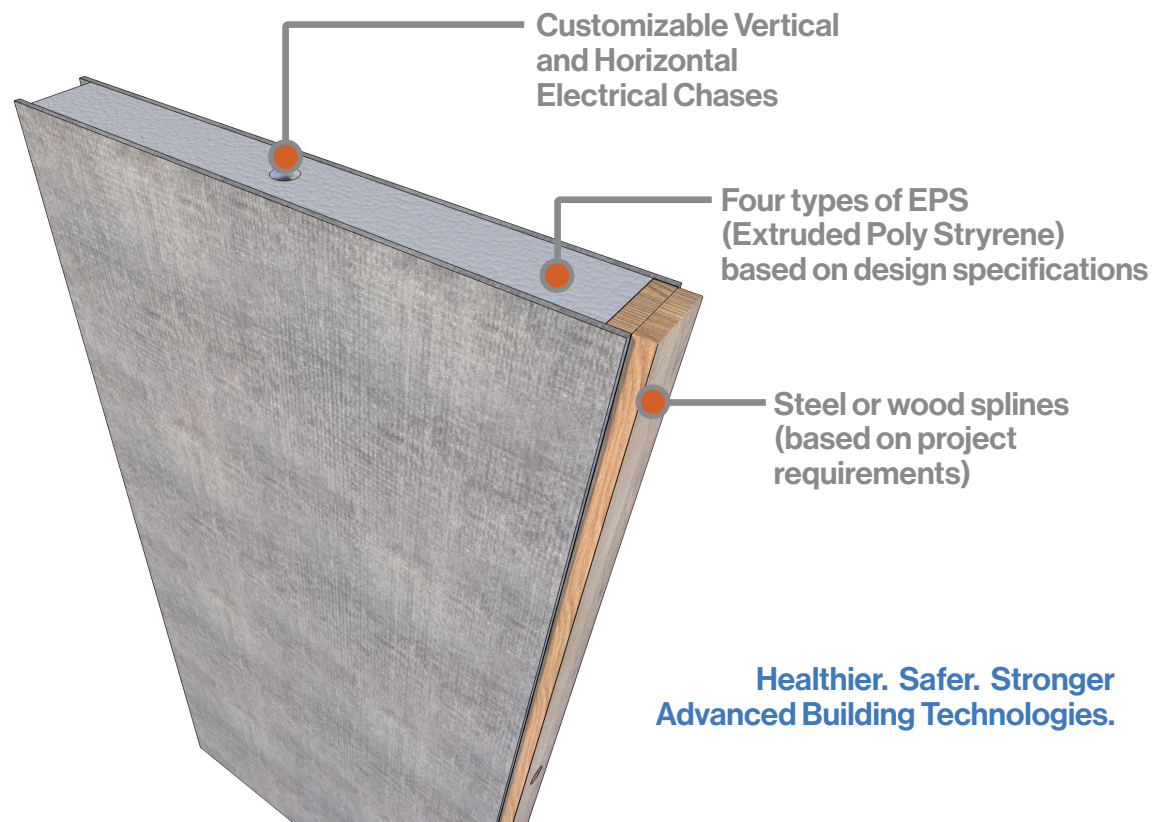
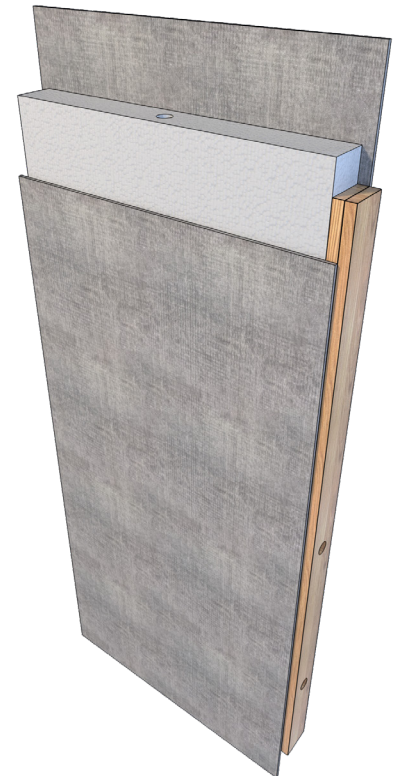
Zs² TechPanel™

Complete Building System

TechPanel's are a premanufactured, custom designed, sustainable building system to create a fully enclosed highly efficient building envelope.

Why TechPanels?

- 65% **reduction** in construction time
- 55% **reduction** in on-site labour
- > 70% **reduction** in CO₂
- **Reduction** in operating costs
- 40% **reduction** in landfill waste
- > 35% **less energy** to heat and cool
- 80% **reduction** in transport costs
- ZERO loss of structural integrity during floods or fire
- **Exceeds** the most stringent hurricane testing standards
- **Impervious** to mould
- Significant **reduction** in remediation costs



MADE IN NORTH AMERICA

zs2technologies.com
info@zs2technologies.com

587.208.4972
9128 52nd Street SE
Calgary, AB T2C 5A9

CONTACT US FOR A QUOTE

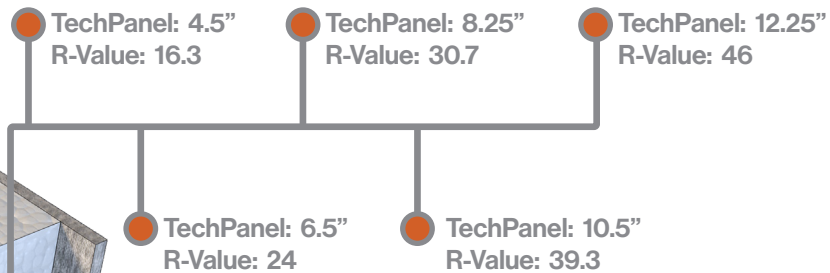
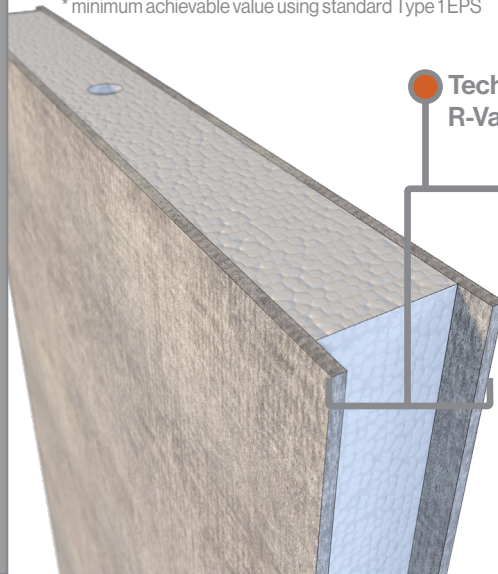
Through prefabricated construction technologies, combined with advances in material science, it's time to improve safety, close the productivity gap, increase building performance, and build for the future.

Healthier. Safer. Stronger
Advanced Building Technologies.

Zs² TechPanel™

	Zs ² TechPanel™	Stick Frame Construction	Tilt-Up Concrete Panels	Metal Insulated Panels	ICF-Insulated Concrete Panels
Carbon Footprint	Low (captures CO ₂)	Medium	High	Medium	High
Mold/Bateria 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
Toxic Off-Gassing	No	Yes	No	Yes	Yes
Toxin-Free	Yes	No	No	No	No
Structural	Yes	Yes	Yes	No	Yes
Impact Resistant	High	Medium	High	High	Low
Water Resistant	Yes	No	Yes	No (corrosion)	Yes

* minimum achievable value using standard Type 1 EPS



Testing Standards for Canada

Canadian Standards - The following organizations are accredited as standards development organizations in Canada: American Society for Testing and Materials International (ASTM) - Bureau de normalisation du Quebec (BNQ) - Canadian General Standards Board (CGSB) - Canadian Standards Association (CSA) - Underwriters' Laboratories (UL) - ULC Standards (ULC)

Non-Canadian Standards - the American Society of Heating, Refrigerating and Air-Conditioning, Engineers (ASHRAE) and the National Fire Protection Association (NFPA), (these standards have been reviewed by the relevant standing committees and found to be acceptable)

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