



# ZS2 Certifications

We got you

## Canadian Construction Material Centre (CCMC)

**IPB System Wall Panels confirmed as CCMC Material**

ZS2 TechPanel will be CCMC approved in the future

## SIP Facing Standards

ICC – ES AC 386 (Fibre-Reinforced Magnesium-Oxide-Based Sheets)

**TechBoard Confirmed**

## SIP Fire Standards

Fire and Smoke Index Testing – AS TM E84, UL723, CAN/ULC-S102, CAN/ULC-S102.2

**TechBoard Confirmed**

And more TESTING to come

## BUILDING CODES we comply with

- International Building Code (IBC)
  - Title 24 – California Building Code (CBC)
  - All States
- National Building code of Canada (NBCC)
  - BC Energy Step Code
  - NBCC – Alberta Edition
  - & All Provinces
- National Fire Protection Agency (NFPA – US)
- National Fire Code (NFC – Canada)
- International Fire Code (IFC)
- US & Canada Green Building Council (LEED)

**TechBoard Confirmed**

## SIP Structural Standards

Axial Load Capacity – ASTM E1803

Transverse Load Capacity – ASTM E1803

Racking Resistance – ASTM E1803



## 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.





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Testing Name	Testing Standard	ZS2 TechBoard Results
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## ZS2 TechBoard FIRE Testing

Non-Combustible	AS1530.1-1994	PASS
Flame Spread Characteristic	ICC – ES AC386	PASS
WUI/Surface burning & Flame Spread Characteristic	ASTM E84-19b Comparable to: UL 723, ANSI/NFPA NO. 255, UBC No.	PASS
1 - hour Fire Endurance Test of building construction and material.	CAN/ULC S101-14 & ASTM E119-20	PASS – as a non-load bearing SIP assembly
2 - hour Fire Endurance Test of building construction and material	CAN/ULC S101-14 & ASTM E119-20	PASS – as a non-load bearing SIP assembly
Standard Test Method of the Determination of Combustibility Parameters of Building Materials	CAN/ULC S135-04	PASS

## ZS2 TechBoard PHYSICAL PROPERTIES Testing

Flexural strength Test including 25 cycle frost test, freeze thaw, flexural strength, and moisture movement, and dimensional tolerances	ICC—ES AC 386 – ASTM C1185-08 Comparable to: BS EN 12467: 2012+A1:2016	PASS
Compression Indentation	ICC – ES AC386 & ASTM D2394 – 17 Section 7	PASS
Shear Board Strength	ICC – ES AC386 ANSI A 118.1	PASS
Compressive Strength	ASTM C1325 & ASTM D3295	PASS
Mold & Mildew	ASTM G21 & ASTM D3272	PASS
Fungus Testing	ASTM D3273	PASS
Weight	ASTM 1037	PASS
Organic Mortar	ANSI 136.1	PASS
Lateral Nail Resistance	ICC-ES AC378 & ASTM D1037-99	PASS
Impact Resistance Test	ASTM C1325 & ASTM D3295 & ISO 7892	PASS
Thermal Conductivity	EN 12667:2001	PASS
Water Vapour Permeability & Impermeability	EN 12467:2012+A1:2016 section 7.3.4	PASS
Chloride Free Substance Inspection	ASTM C871-18	PASS

## ZS2 TechBoard PHYSICAL PROPERTIES Testing

Compressive Strength	ASTM E72 s9	PASS
Transverse Loading	ASTM E72 s11	PASS
Racking Load (Shear Resistance)	ASTM E564	PASS



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