

Built On or Off-site

Cabins & tiny homes can be built either on-site or in our all weather factory then shipped to you.



Contact us

SIPs have been used across Europe and North America for over half a century and have proven to be superior to the traditional wood frame building.

Te Kākano homes **look and feel the same** as any house until you live in one, then you will notice how **warm and cosy** they are.

SIPs provide an extremely strong and energy-efficient building choice. Using up to 50% less energy to heat, the insulated panel creates a **quieter and healthier home** to live in.

SIPs are the building standard of the future available to you now.



For more information about how SIPs can work for you:

Te Kākano Kāinga Ora Ltd
(Owned by Wai Ora Christian Community Trust)

49 Brunswick Rd, Aramoho, Whanganui

Ph 06 343 5015 M: 027 292 7099

E: admin@tkko.co.nz

www.tkko.co.nz



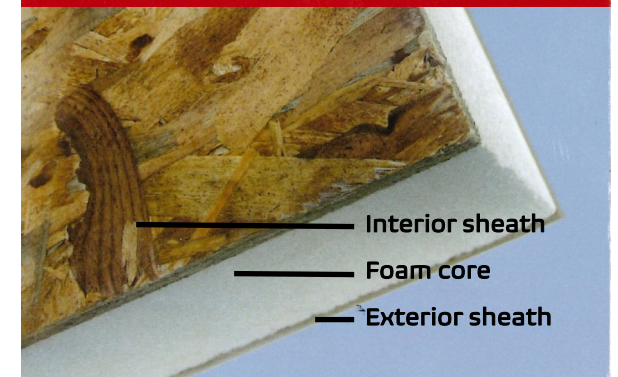
[/tekakano.kaingaora](https://www.facebook.com/tekakano.kaingaora)



Structural Insulated Panels

What are SIPs?

Structural insulated panels are high-performance products used in exterior walls, roofs, and floors for residential and light commercial construction. SIPs are made by sandwiching a core of rigid foam insulation between two skins of structural sheathing, typically oriented strand board (OSB), cement (MgO), or steel. SIPs build better houses.



Low Energy Costs and More Sustainable



Exceptional Thermal Performance

Once installed, SIP panels deliver unrivaled insulation and airtightness, which **reduces energy costs** over the building's lifetime.

SIPs are known to be about 50% more energy-efficient than traditional timber framing so you will see the savings in your power bill.



Healthier Indoor Air Quality

The SIP envelope doesn't have the voids or thermal bridging of conventional stick framing that can cause condensation leading to potentially hazardous mold, mildew or rot.

The **airtight building** envelope limits incoming air to controlled ventilation which filters out contaminants and allergens.



Sustainability Credentials

SIPs are highly energy-efficient and therefore contribute positively to the environment by reducing CO2 levels.

The manufacturing process uses significantly less energy and a very **high percentage of recyclable material** in SIPs is extremely important in today's eco focused environment.



Structural Insulated Panels

The panels consist of an insulating foam core sandwiched between two structural facings, typically oriented strand board (OSB) or cement (MgO).

The result is a building system that is extremely strong, energy efficient and cost-effective.



Faster Construction

SIP walls, floor and roofs are designed and precisely manufactured offsite. This allows the building to be **assembled onsite quickly** and made watertight in a matter of days.

An overseas SIP build time-motion study confirmed that SIP panels reduce jobsite labor needs by 55%.

