

Prefabrication has a long history in New Zealand. Many of us remember cold, draughty fibrolite school classrooms in the winter. Prefabrication in the building industry has come a long way since those early days and is now providing **extremely high-quality buildings**.



SPEED



ACCURACY



COST



DURABILITY



EFFICIENCY



QUALITY

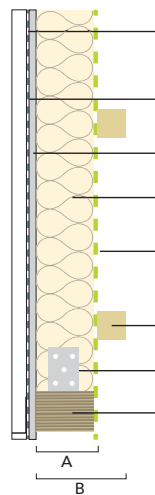
THE THECApanel SYSTEM

THECApanel has been designed specifically for New Zealand buildings for New Zealand climate conditions, with builders in mind.

It is a lightweight timber-framed system based largely on NZS 3604.

All the tools you need to use our system are already in your ute. All the skills you need to use our system, you already have.

SPECIFICATION



External Drained
Cavity Battens

External Building Wrap

Bracing

Insulation

Internal Moisture
Control Membrane

Internal Cavity Battens

Hold Downs

Structural Framing

H3.2 Timber

pro clima EXTASANA

9mm structural ply

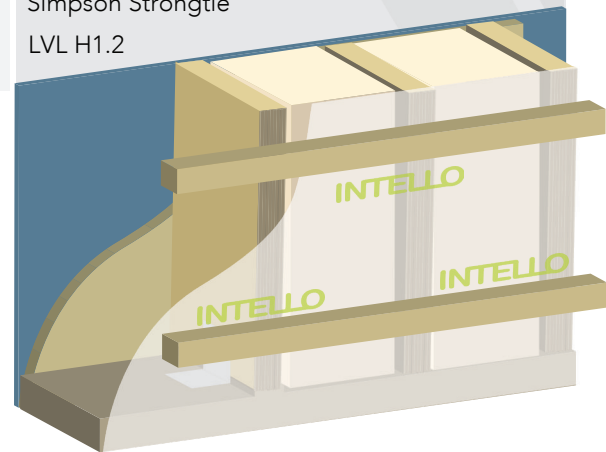
Knauf Jet Stream MAX

pro clima INTELLO

LVL





Simpson Strongtie

LVL H1.2




A	B	Construction R Value
Stud Thickness	Wall Thickness with Internal Cavity Batten	
90	135	3.4
140	185	4.6
200	245	6.3
240	285	7.7
300	345	8.4

KEY BENEFITS

 SPEED	 ACCURACY	 COST
<p>THECApanel greatly increases the speed of your build, giving you certainty around completion time and reducing weather delays.</p>	<p>Factory based manufacturing and QA systems mean THECApanel is extremely accurate, further reducing build times and providing a true, plumb building structure for finishing trades.</p>	<p>THECApanel allows cost certainty for a large proportion of your build cost. Your on-site overheads are reduced due to the speed of construction.</p>
		
 DURABILITY	 ENERGY EFFICIENCY	 QUALITY
<p>THECApanel uses structure protection membranes that ensure a perpetually dry structure, free from interstitial mould and condensation.</p>	<p>THECApanel's framing system increases the amount of insulation and ensures the performance of the insulation, resulting in a warmer, drier building with lower running costs.</p>	<p>THECApanel uses robust quality assurance systems, combined with superior products to reduce the number of on-site inspections.</p>

SYSTEM COMPARISON

	 THECApanel	CONVENTIONAL TIMBER	SIPS
NO SPECIALIST TOOLS REQUIRED	✓	✓	✗
EASILY ADAPTABLE TO ANY BUILDING	✓	✓	?
RENEWABLE RESOURCE	✓	✓	✗
AIRTIGHT STRUCTURES	✓	✗	?
NOT EXPOSED TO WEATHER ONSITE	✓	✗	✓
MADE IN A CONTROLLED ENVIRONMENT	✓	✗	✓
QUALITY ASSURED	✓	✗	✓