

# TZO Prefab Performance Walls

BUILD BETTER.

TZO

THE ZIMMERMANN OZ

# A better way to build

A home is a long-term investment. How its walls manage heat, air and moisture shapes how comfortable it feels and how long it lasts.

TZO Prefab Performance Walls put what we've learned designing and building Passive Houses into a prefabricated wall system. Panels are precision-made in our Melbourne and Brisbane workshops and delivered Australia-wide.

Build it yourself, or with your own architect, designer or builder. We supply the walls, the documentation and the training.



### 01 · PRECISION

Performance built in from the start, in a controlled workshop.

### 02 · KNOWLEDGE

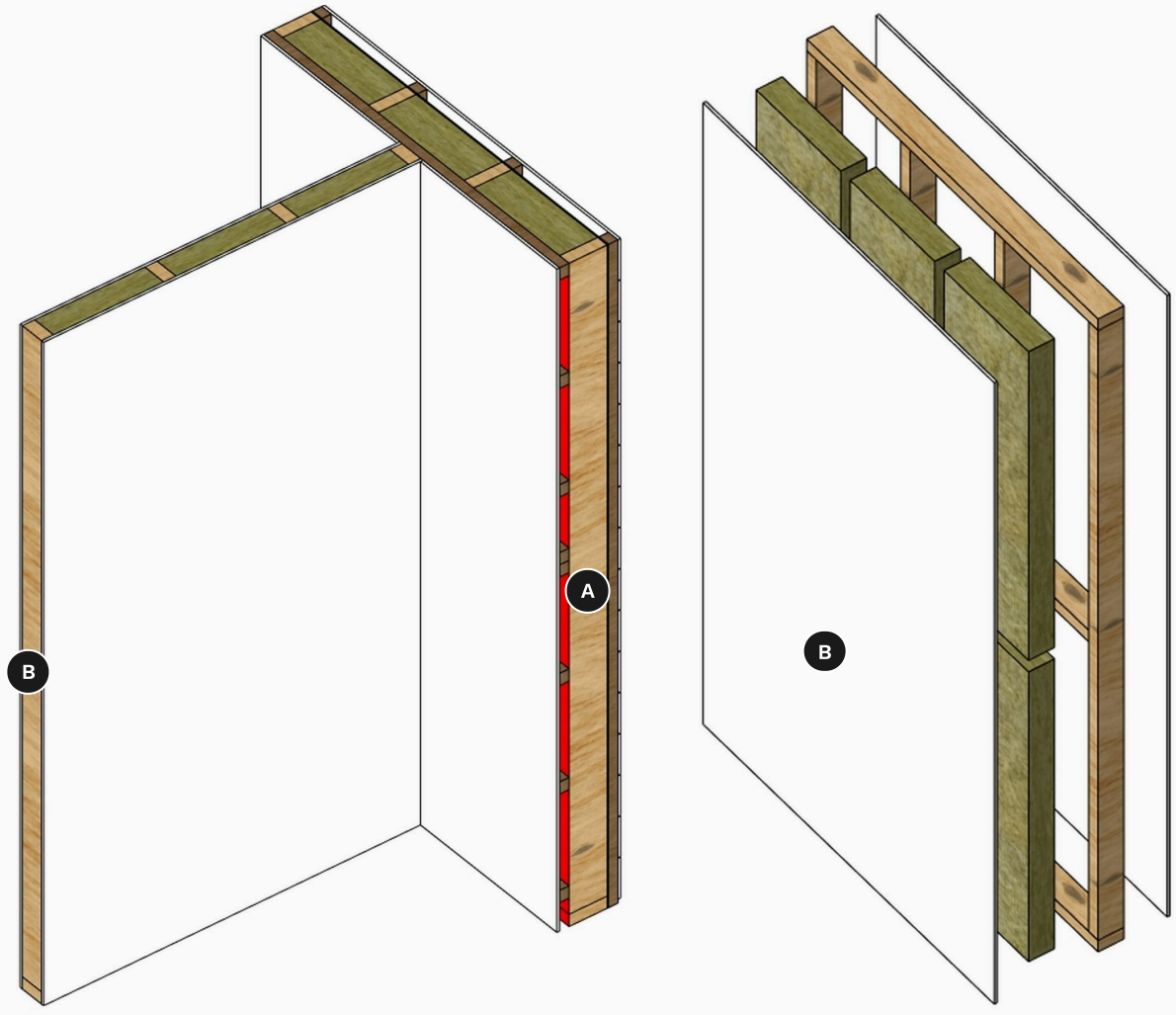
TZO guidance, documentation and training, so you understand what you're building.

### 03 · PERFORMANCE

Walls designed for comfort, moisture management and long-term durability.

# What are TZO Prefab Performance Walls?

Precision-made timber wall panels for Australian homes. The structure, membranes and insulation come together in our workshop, so the most important layers arrive on site already resolved.




◀ INTERIOR EXTERIOR ▶ INTERNAL WALL OPENED UP

## A EXTERNAL WALL

140 mm engineered LVL structural frame, R4.0 rockwool, Pro Clima membranes on both sides, a ventilated cavity and an internal service cavity. 230 mm overall.

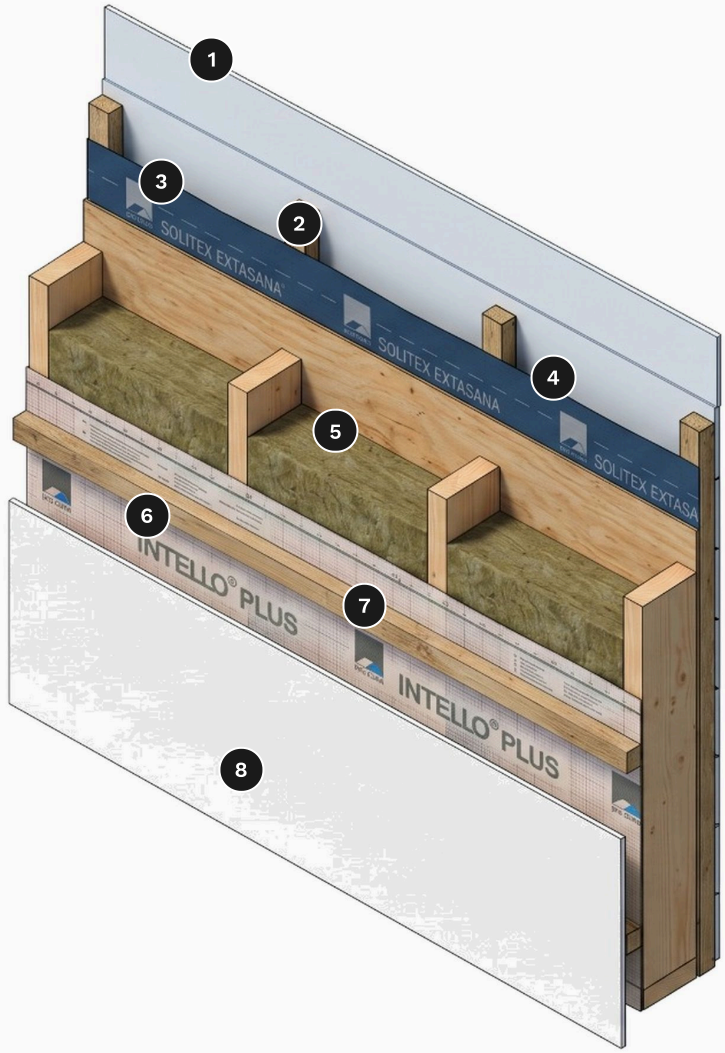
## B INTERNAL WALL

90 × 45 mm stud frame with R2.5 rockwool and plasterboard each side. 110 mm overall.

LAYER BY LAYER

# What's inside the wall?

Wall performance comes from how every layer works together. Here's the external wall, cut away so you can see every layer.




◀ INTERIOR EXTERIOR ▶

1. **Cladding** 10 mm Weathertex Smooth 300 (project-specific)
2. **Ventilated cavity** 35 mm battens let the wall dry
3. **Solitex Extasana** keeps weather out and lets moisture escape
4. **Bracing** hardwood ply, where engineering requires it
5. **Frame** 140 mm engineered LVL with R4.0 Knauf rockwool
6. **Intello Plus** the airtight layer
7. **Service cavity** 35 mm, so cables and pipes don't pierce the airtight layer
8. **Lining** 10 mm plasterboard

### FLOOR PANELS AVAILABLE

Prefabricated floor panels can be supplied alongside your walls.

All panels come braced as standard. Final panel configuration depends on the design and engineering of each project.

THE THINKING BEHIND IT

# Why building science matters





## HEAT

Continuous insulation and fewer thermal bridges keep warmth where you want it.

## AIR

An airtight layer means fewer draughts and steadier temperatures.

## MOISTURE

Membranes and a ventilated cavity keep the wall dry.

## DURABILITY

Built to keep performing long after handover.

# Different teams. One aim: build better.

01

### OWNER-BUILDERS

Take an active role in your build, with a resolved wall system, an installation guide and training.

02

### ARCHITECTS

Design the home you want. The wall system is developed around your design.

03

### BUILDERS

Deliver a better-performing home with a coordinated wall system, TZO documentation and training.



## YOUR HOME DOESN'T HAVE TO LOOK PREFAB.

The panels are a construction system, so your design keeps its own character.

# From your plans to panels

01

## Send your plans

Drawings and key project details.

02

## Project review

We check your design suits the system.

03

## System design

Panels developed with your project's engineering.

04

## Manufacture

Made in our Melbourne or Brisbane workshop.

05

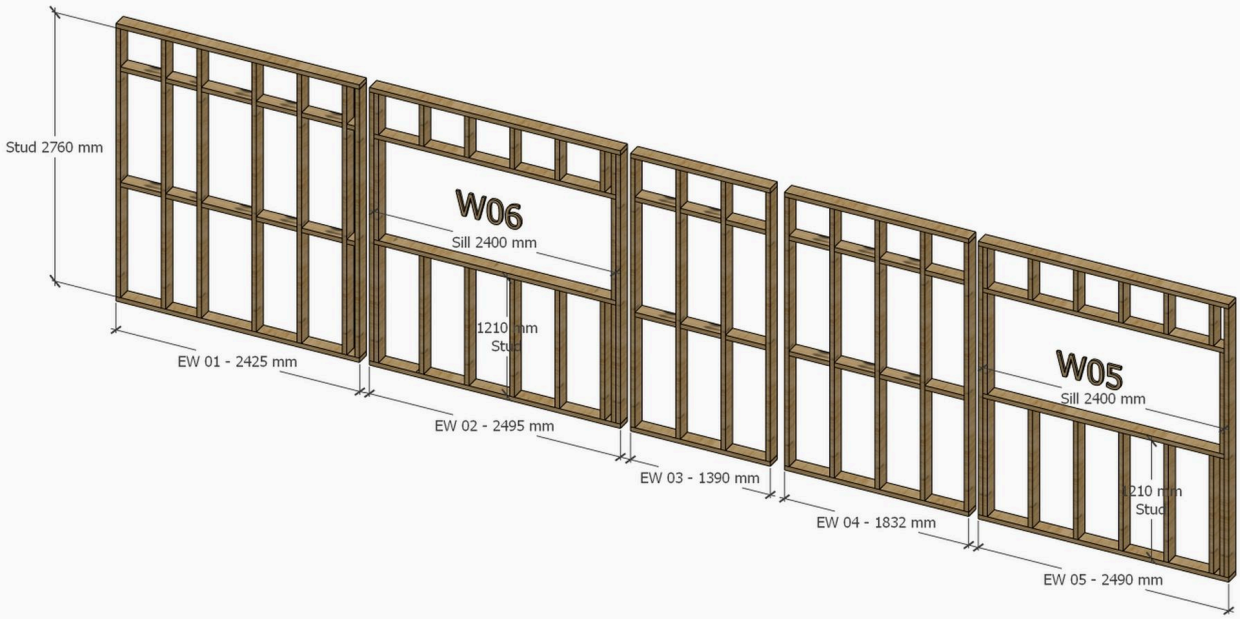
## Delivery

Australia-wide, with transport quoted for your project.

06

## Installation

By you or your team, with TZO documentation and training.




A wall laid out as panels, with the window openings marked.

# Install with confidence

Correct installation matters. We back you with documentation and training.



01

### INSTALLATION GUIDE

A step-by-step on-site reference for owner-builders and builders.

02

### SHOWROOM TRAINING

Hands-on training in Melbourne or Brisbane before your project starts.

03

### LIVE VIRTUAL TRAINING

Remote training for project teams in other states.

### PROJECT DOCUMENTATION

Installation manuals · Materials and inclusions · Warranty information · Panel identification · Handling and storage · Installation sequencing

**Install it yourself. Learn with us. Build with your own team.**

PRICING

# A clear starting point for your budget

Panels start from $402.90 ex GST. Final pricing depends on panel mix, openings, engineering, detailing and location.

### INTERNAL PANELS

$402.90

Internal braced panel

### EXTERNAL PANELS

$735.88

Standard external panel

### WITH OPENINGS

$1,002.06

External panel + opening

| PANEL TYPE | SIZE (MM) | FROM (EX GST) |
|---|---|---|
| Floor panel | 2250 × 3600 | $1,247.98 |
| External panel | 2250 × 2700 | $735.88 |
| External panel + opening | 2250 × 2700 | $1,002.06 |
| Internal braced panel | 2250 × 2700 | $402.90 |
| Internal panel + door opening | 2250 × 2700 | $464.40 |
| Internal panel + cavity slider | 2250 × 2700 | $1,199.21 |

### WHAT CHANGES THE FINAL QUOTE?

Panel quantity · Openings · Engineering · Project detailing · Location and transport

SEND US YOUR PLANS FOR A PROJECT QUOTE

Pricing current at November 2026. All TZO wall panels are fully braced as standard. Transport is quoted separately. Prices are indicative, exclude GST and may change with project requirements. Confirm current pricing with TZO before budgeting.

# Who does what

TZO supplies the wall system in your quotation. You and your project team run the wider build.

## TZO SUPPLIES

- Project review for suitability
- Project-specific system design and engineering
- Prefabricated panels to the agreed quotation
- Integrated components in the inclusions schedule
- Installation documentation
- Warranty information
- Your chosen training and support
- Australia-wide delivery, transport quoted per project

## YOUR PROJECT TEAM

- Site investigations and approvals
- Foundations and slab
- Roof
- Electrical and plumbing
- Internal and external finishes, unless quoted
- Other trades and services
- Site management and statutory responsibilities
- Anything outside the TZO quotation

Your signed quotation, final drawings and inclusions define exactly what TZO supplies.

### WHAT ABOUT PERFORMANCE?

The walls are one part of a high-performance home. The result depends on the whole design: orientation, windows, roof, floor, ventilation and workmanship. We'll give you project-specific information on R-value, airtightness, moisture management, thermal bridging and Passive House suitability.

QUESTIONS

# Frequently asked questions

### Is this a complete prefab home?

No. TZO supplies the wall system. Foundations, roof, services and finishes are part of the wider project.

### Can I use my own architect or builder?

Yes. We work with owner-builders, architects, designers and builders, depending on project suitability.

### Do I have to use TZO windows and doors?

No. Suitable high-performance windows and doors are recommended, and TZO Windows & Doors is an option.

### Are the walls braced?

Yes. All TZO wall panels come braced as standard. Hardwood ply bracing is used where your engineering requires it.

### Will this make my home a Passive House?

A wall system alone can't. Certification depends on the whole design, modelling, ventilation and construction quality. Tell us your target at the start and we'll plan for it.

TZO
WINDOWS AND DOORS

PAIR YOUR WALLS WITH HIGH-PERFORMANCE WINDOWS

Walls and windows work together. TZO Windows & Doors supplies German-made windows and doors, made to measure for Australian homes, with tilt-and-turn opening and triple glazing options.

**tzowindowsanddoors.com.au**

NEXT STEP

# Have plans? Let's panelise your project.

Send us your drawings and project details. We'll review your project and show you how the system could work for your build.

## IT HELPS TO KNOW

- [ ] Where the project is
- [ ] Your role: owner-builder, architect, designer or builder
- [ ] Your project stage, and whether plans are ready
- [ ] Who's building it
- [ ] Your performance goals and timeframe

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