



## TAKE A CLOSER LOOK



### PRE-CUT PANEL SYSTEM

- Durable and Impact Resistant
- 30-50% Faster Construction
- Easy and Cost Effective
- Streamline Surface Finish



**BRANZ Appraised**  
Appraisal No.364 [2007]

# INTRODUCTION

**The concept of Metra is brilliantly simple: solid wall and ceiling panels pre-cut to simplify and speed up construction.**

The Metra construction system uses a moisture resistant construction panel made from engineered wood fibres and flakes. Metra is supplied pre-cut up to 7.35m x 2.45m and is available in three thickness options. There are 36mm for solid core interior walls, 25mm for ceilings/wall linings, and 18mm for plumbing, electrical cavities and wall linings.

The Metra construction system may be used to create the interior surface as well as the structural and bracing elements of the building. It offers strong, durable walls and ceilings with a beautifully smooth finish.

## Metra specialise in quality:

- **Housing**
- **School Buildings**
- **Commercial Buildings**
- **Office Partitioning**
- **Speed Floors**
- **Solid Ceilings**
- **Squash Courts**
- **Doors**
- **Firewalls**
- **Shop Fittings**
- **Transportables**
- **Retirement Villages**
- **Storage Units**
- **Student Accommodation**
- **Stairs**
- **Wardrobes Fitouts**
- **Apartment Buildings**
- **Jail Cells**
- **Shed Fitouts**
- **Work Benches**

and much more ...



**Residential**



**Commercial**



**Transportable**



# METRAPANEL BENEFITS

## **Cost effective**

A building, which takes less time to complete, will logically cost less. Labour charges will be lower and the stopping cost will be minimal. Also, you won't have to pad your quote to allow for bad weather days. Once the walls and ceilings are up and the windows are in, weather is not a problem – if it rains, we work inside.

## **Shorter wait till move-in day**

A home built with Metra goes up quickly and efficiently. For an average sized project, they usually take just one day to position and secure. Once the floor slab is down, in most cases, houses built with our system go up 30-50% faster than traditional construction methods.

## **More house for your money**

Metra walls take up less space because they have the strength to stand on their own. Our system can add up to 6% more floor area – which could mean an extra room!

## **Design flexibility**

The smooth finish of Metra needs little special preparation other than normal sanding. You can paint or paper directly onto it, and this means an extra smooth finish. You can also place fittings or hang pictures virtually anywhere with Metra because surfaces are solid from edge to edge.

## **Seamless effort**

Metra is produced in very large sheets, so walls and ceilings are generally made with fewer joins. This means minimal joint stopping is required and helps result in a beautiful finish. Less jointing also means less worries about joint peaking and nail popping in your home.

## **Good looks that last**

The smooth perfection of Metra is almost impossible to dent. At 650kg/m<sup>3</sup>, the density of a Metrapanel is significantly higher than that of solid timber. This means it can really take the bumps and bangs of everyday life.

## **In-built insulation**

The density of Metrapanels makes them a natural insulator. Our customers tell us Metra offers superior insulation from heat, cold and noise. We also offer specialised fire wall and sound proofing solutions.

## **50 year durability**

The Metra wall and ceiling systems when constructed by a licensed Metra builder will meet the provisions of the New Zealand Build Code (B2.3.1(A)) of 50 years durability.

*“If there’s a way to do it better ... find it.”*

THOMAS A. EDISON

# THE BUILDING PROCESS

Panels are pre-cut at the Metra factory. Your home will be made more precisely, because our Computer Aided Design (CAD) system ensures panels are cut for a perfect fit.

Weather is not a problem for Metra builders. Metrapanel is pre-primed to ensure it stays weather resistant. If it rains, we work on the inside. There's not time wasted waiting for things to dry.

Metra supports all usual cladding systems, masonry, timber, brick or exterior panels.

These photos illustrate the typical construction process that is followed when building a Metra house.



## STEP 1

The builder prepares the floor – it can be either concrete, Metra or timber flooring.

## STEP 2

The walls are erected by a Metra installer, using our specialised handling equipment.



## STEP 3

Ceilings are positioned and secured to the standing walls.



## STEP 4

The trusses are fixed to the ceiling.



## STEP 5

Day 3 house is ready for battens installation.



## STEP 6

Average completed build time for an average sized home is 4-8 weeks.



## BRANZ appraisal

The Metra system including the panel manufacture process, the precut factory operation and the Metra Design and Construction Manual has been fully appraised by the Building Research Association of New Zealand (BRANZ).



## Contact

For a licensed Metra builder near you, or to become a licensed builder, visit our website [www.metrapanel.co.nz](http://www.metrapanel.co.nz) for more information or phone 0800 156 100.

# RESIDENTIAL & COMMERCIAL



## Metrapanel offers benefits hard to beat:

- Cost effective
- Shorter wait till move-in day
- More house for your money
- Design flexibility
- Seamless effort
- Good looks that last
- In-built insulation
- 50 year durability
- BRANZ appraisal

# TRANSPORTABLE APPLICATIONS

- Built under cover, four week turn around.
- Fully completed, turn key, delivered to site.
- Using solid, quality Metrapanel there is no movement when transporting.
- When using the 36mm panel system you have more internal floor area for your dollar.



**Life is tough,  
our walls are even tougher.**

**0800 156 100**  
**[www.metrapanel.co.nz](http://www.metrapanel.co.nz)**



**METRA** – There's no going back.

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### **Call now for a free quote**

Send your plans to [info@metrapanel.co.nz](mailto:info@metrapanel.co.nz) for a free quote or phone 0800 156 100. Metra builders are located throughout New Zealand. For more information visit our website: [www.metrapanel.co.nz](http://www.metrapanel.co.nz)