

METRA[®]

PANEL SYSTEM
walls · ceilings · floors

An Inter-tenancy Wall System
like no other...

- ▶ 30min fire rating
- ▶ 40% more affordable
- ▶ 1/2 the install time
- ▶ Up to STC61 sound rated
- ▶ NO proprietary lining
- ▶ NO plastering
- ▶ Thinnest IT wall options

An Inter-tenancy wall system like no other

Metra Inter-tenancy walls, installed by Licensed Metrapanel Installers, are constructed to provide structural support and both fire and sound insulation between habitable spaces from one dwelling to another.

Suitable for apartment construction, the Metra IT Wall options comprise two different installation methods to achieve the desired sound insulation result which meets the requirements of your next project.

In the event of a fire, the structural integrity, the thermal insulation, and acoustic insulation of the inter-tenancy wall must be effective from the floor right up to the underside of the roofing. Therefore, Metrapanel extends out to the fascia line, preventing any fire breach through the soffit space. The panels reach up to approximately 25mm below the roofing material, and are sealed with fire and acoustic sealant to create a continuous airtight seal.

Compressible mineral fibre fire stop blankets are placed along the top of the IT wall, projecting out 50mm either side of the panel, and during installation of the roof cladding, the fire stop blanket is compressed.

To absorb sound within the wall cavity, silencer insulation is fitted neatly between 45x45mm timber battens, on one side only of the inter-tenancy wall and covers all the exposed Metrapanel over one side of the inter-tenancy wall, to the ceiling height of the adjacent habitable living space.

When integrated with the entire METRAwalls, floor and ceiling system, a 'sensible solution' for multi-unit developments is achieved. Offering ease of design for architects and engineers, reducing contractors required onsite, providing a seamless process from design stage through to completion, and most importantly a much faster construction timeframe.

*Some conditions apply. Results show that the STC61 Metra Inter-tenancy Wall System is 40% more affordable than tilt slab and is a similar price to block and gib. The install time is halved in comparison to brick and tilt slab.



Metrapanel system trusted for over 25 years

Trusted by kiwi's for over 25 years, Metrapanel has been the preferred modular panel housing system for over 9,000 projects across the residential, commercial and retirement sectors. Pre-cut to simplify and speed up construction, Metrapanel is the robust, durable and energy efficient alternative.

Engineered walls, floors and ceiling panels are pre-cut and constructed onsite by Licensed Installers throughout New Zealand. The 7.35m wood panels means there is less jointing than traditional timber-framing and plasterboard systems, therefore providing smooth, strong and durable walls, and resulting in extensive cost maintenance savings over time. Plus Metrapanel helps maximise the available floor space. Holding strong relationships with Strategic Partners; LaminexNZ, Resene, BRANZ, PrefabNZ, Lifemark, and NZGBC, the Metrapanel system is the sensible solution for investment properties, multi-unit complexes, classrooms, retirement villages and social housing.

"With the combined expertise of LaminexNZ manufacturing, and the Metrapanel passion and vision for building construction, this provides New Zealand with an innovative panel construction system perfect for modular homes."

Richard Pollington, previous General Manager, LaminexNZ



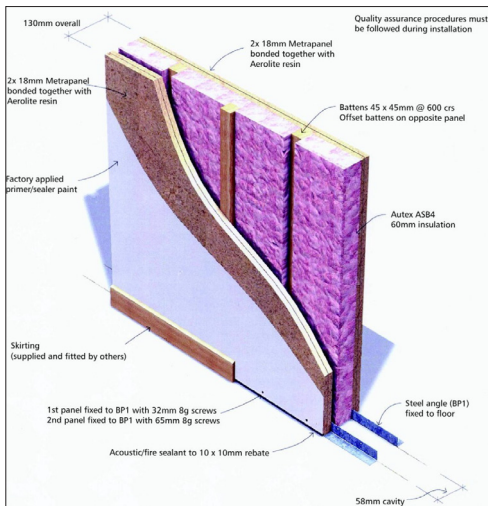
Christchurch City apartments constructed by Laing, utilising the Metra IT Walls system combined with METRAwalls and ceiling.

Option One – standard

Sound Transmission: STC57

Thickness: 130mm

Installation Method: Dble 18mm panel / 58mm gap /
Dble 18mm panel



30min fire rating put to the test

“I would like to say that Metrapanel’s half hour fire rating was spot on. Tristram Marine had a massive fire back in March 2010 in our fiberglass laminating shop of which Metrapanel materials were used as dividing walls. These walls were subjected to approximately 1,000 degrees in temperature. The walls withstood their charring rate capability perfectly and stayed structurally in place and intact.

Noise is not transferred through these thick walls either. This design of material also makes for a good clean construction wall, when painting internal walls is required. The method used in erecting them also speeds up the production time of creating the building.

Many thanks for a great product.”

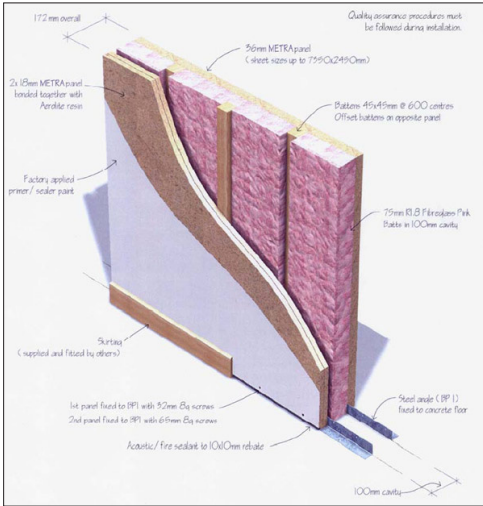
Lance Fink, Tristram Marine

Option Two

Sound Transmission: STC61

Thickness: 172mm

Installation Method: 36mm panel / 100mm gap /
Dble 18mm panel



The STC61 Metra Inter-tenancy Wall Design and Construction boasts a FRR 30/30/30 fire resistance rating and STC61 sound insulation, which can achieve a 1S Fire Rating classification for the NZBC and 1 for the NCC upon application of additional specified Resene coating.



metrapanel.co.nz 0800 156 100