Smarter Intertenancy Wall Systems

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Smarter Permanent Formwork

Save time, Save money, Save space.

AFS has been supplying and installing permanent formwork systems throughout New Zealand for over 15 years. With Logicwall®, they offer one of the thinnest intertenancy walls available, giving architects the design space they deserve. Save time with its speed of installation and save money and space with no need for strapping and lining.

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Benefits

Wall Thickness

From 162mm

Acoustic Performance

55 - 69 STC

Shop Drawn System

Significant Waste Reduction

Fire Performance

240/240/240

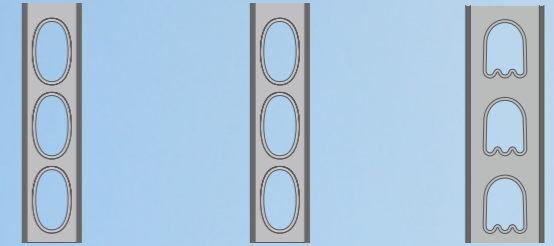**Speed of Construction**

Hand Installed

Load Bearing Structure

Solid Concrete Wall

Intertenancy Wall Options

Wall Type	LW150	LW162	LW200
Thickness	150mm	162mm	200mm
Fire Resistance Level (FFL)	240/240/180	240/240/240	240/240/240
Acoustic Rating (STC)	54	55	58
Strapping and Lining one side			
Acoustic Rating (STC)	61	62	64
Thickness	204mm	216mm	254mm
Strapping and Lining both side			
Acoustic Rating (STC)	67	68	69
Thickness	276mm	288mm	326mm

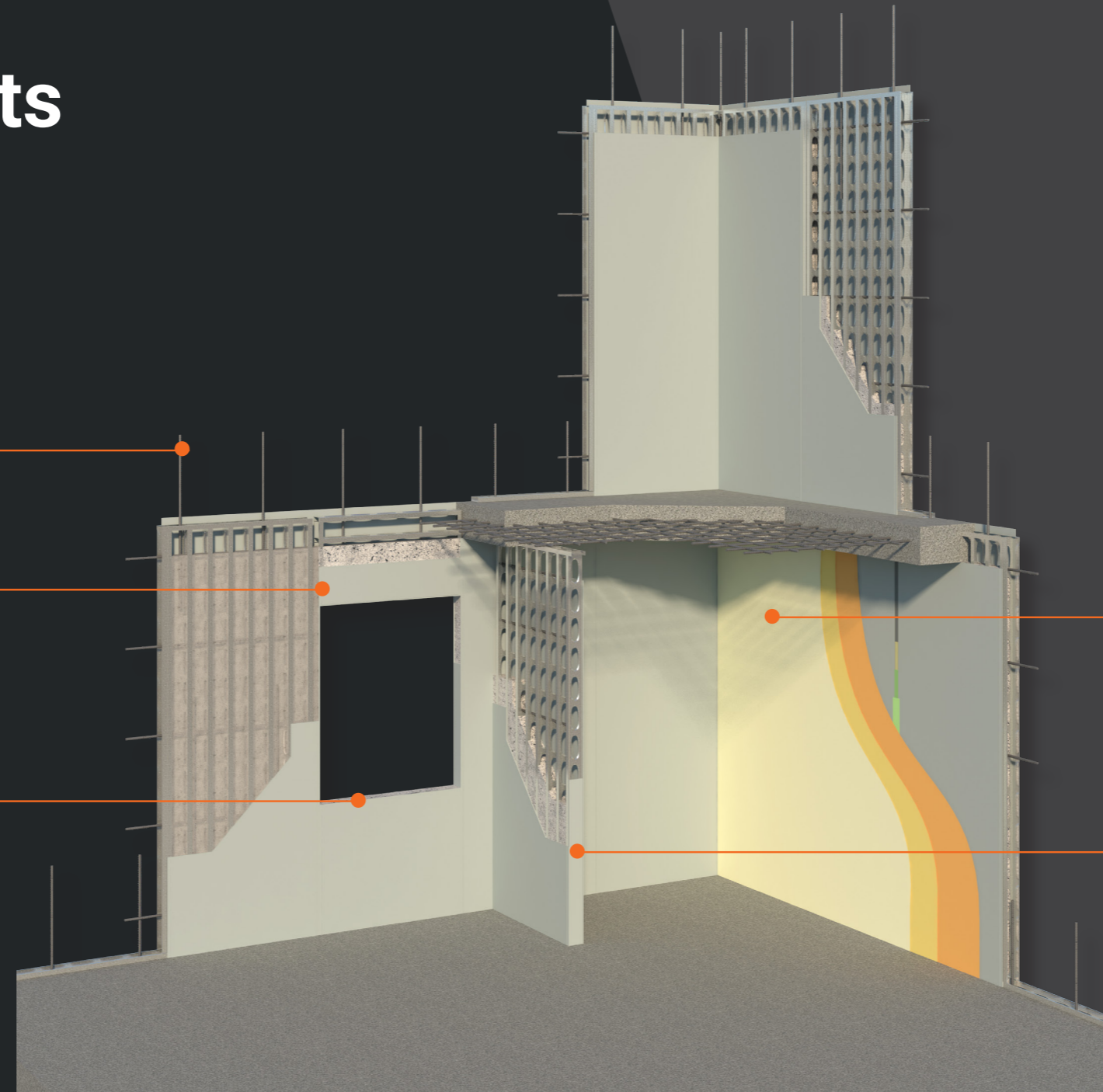Refer to AFS acoustic report for further options.

System Highlights

Site-installed reinforcing to engineer's specification

External walls finished with acrylic render or over clad

Still and lintel panels to create window and door openings

Rebated sheet joints to allow for direct plastering and skim coating

Pre-assembled end caps and corner closers

Installation

1

Site Efficiency

Logicwall® panels are easily stacked to maximise site efficiency
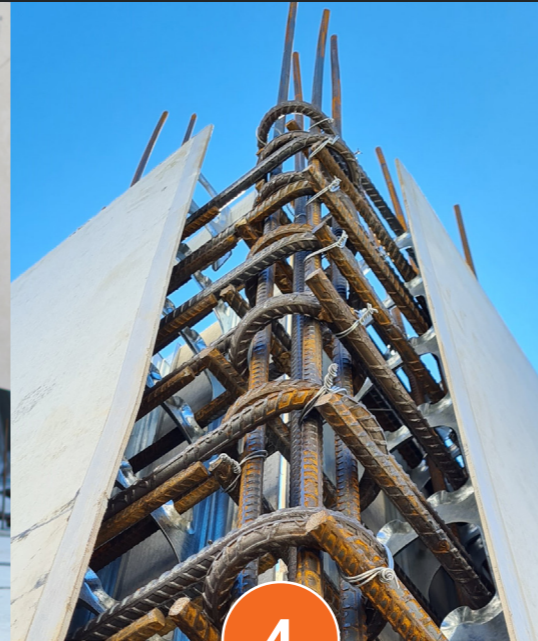

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Shop Drawings

Shop-drawn panels are labeled for easy installation

3

Hand Installed

Lightweight panels are easily installed by hand

4

Reinforcing Installation

Horizontal and vertical reinforcing as per structural drawings

5

Braced

Once erected panels are plumbed and braced in ready for core filling

6

Concrete Pour

Core filled via a boom pump

Our Resources

Designing with AFS Logicwall®

The Design Handbook is a comprehensive kit of design and construction resources for architects and engineers seeking to specify AFS Logicwall® in medium-density projects.

Along with our design guides we have an experienced in-house team to support you from design and consent through to construction.

The Design Handbook Includes:

- AFS Design Guide
- Standard Details (PDF, DWG & RVT)

With Chapters Covering:

- Applications
- Properties
- Structural design
- Internal/external design considerations
- Performance
- Environment
- Trade coordination
- Installation
- Certification
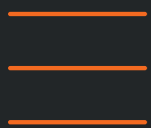- Architectural detailing

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FAQ

What is Logicwall®?
Logicwall® is a permanent formwork system designed as an intertenancy wall in medium-density housing.

Who installs Logicwall®?
We offer a full supply and installation service.

Why chose Logicwall® for Intertenancy Walls over traditional systems?
The main advantage to an architect is the thickness of the finished wall. With acoustic and fire compliant walls as thin as 162mm, we can reduce the wall thickness by 40% over traditional systems.

What finishing options are available for Logicwall®?
The standard procedure is to plaster the panel joints, followed by a full skim coat. Alternatively, you can strap and line the Logicwall®.

How quickly can Logicwall® be installed?
A 3 man team can install up to 150m2 per day.

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Design Guide

Logicwall® Design Guide Incorporating: Applications, Properties, Structural Design, Internal & External Design, Performance, Architectural Detail, Trade - Coordination, Installation & Certification

CodeMark 30062

CSR

Case Study

Oceanview Apartments

Located in Nelson, New Zealand

1304m² of Logicwall (200mm) Installed

A Total of 5 Floor Levels

A Total of 37 Units

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