

TECH DATA

Benefits

- As tough and solid as masonry but easier to install and faster to construct.
- High resistance to damage once installed.
- Great thermal, fire and acoustic insulation.



Compleo Panel is a 75mm Autoclaved Aerated Concrete (AAC) panel reinforced with a double steel grid within its core. Compleo offers the building industry the best of both worlds, specifically the strength and solid feel of masonry with easier and faster methods of construction.

The double steel grid reinforcement in Compleo Panels consists of bars running in both the longitudinal and transverse directions giving it excellent impact and damage resistance. Compleo panels also offer thermal, fire resistance and sound insulation properties.

Product Information

PANEL SIZES	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	DRY WEIGHT* (kg/m ²)	WORKING WEIGHT* (kg/m ²)
	75	600	2700, 2850, 3000, 3300	39	51

* Weights indicated are nominal and at equilibrium moisture content

Application




Compleo is an internal wall panel used where a high degree of fire resistance, acoustic insulation and security is required between units. Its thermal performance also helps maximise energy efficiency.

It is specified mostly for intertenancy, common area and service walls in high rise residential buildings.

It can also be used in medium rise residential buildings or medium to high rise commercial buildings.

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Performance

-  **Impact and Damage**
Great all-round impact resistance with double steel grid reinforcement.
-  **Fire**
Achieves up to 240 minutes Fire Rating.
-  **Sound**
Compleo Systems can achieve up to an R_w+C_{tr} 55



Impact

Once installed, Compleo panels are resistant to impact and extremely hard to penetrate.

Fire

The bare Compleo Panel wall system has a fire rating of 120 minutes while other Compleo systems have fire ratings of up to 240 minutes in accordance with AS/NZS 1530.4.

Sound

Compleo Panels have excellent sound insulation performance. Compleo Systems achieve acoustic performance ratings of up to R_w 68 and R_w+C_{tr} 55.

Installation

Compleo Systems are installed in high rise residential/commercial buildings in slab to slab applications.

To maintain fire and acoustic integrity:

- ▶ Use BindEx Fire and Acoustic Sealant on all gaps and around perimeter.
- ▶ Use Compleo 3-in-1 Adhesive, Patch and Base Mortar to joint and patch panels and to prepare and level the base for the panels.

Please contact Knauf for the Compleo system and installation guide.



Warranty

Knauf's products are guaranteed by a 10 Year Warranty.

For details visit

knaufplasterboard.com.au

knaufplasterboard.co.nz

Technical Advice

AU **1300 724 505**

NZ **0800 884 326**