



# Product Overview

Helix AAC Panel | External Walls



# Helix. Thermal Concrete Systems.

A better way to build - engineered for strength, designed for life.

Helix is reshaping the way Australians build their homes. Advanced thermal concrete panels combine the proven benefits of aerated concrete with a clean, modern aesthetic and outstanding performance across insulation, durability and design flexibility.

From suburban homes to contemporary townhouses and coastal builds, Helix panels deliver the strength of concrete, the comfort of insulation, and the elegance of minimalist, architectural style - all with the confidence of Australian-engineered innovation.

## What is Helix

Next-generation wall systems, made for Australian living.

Helix is a precision-engineered thermal concrete system made from autoclaved aerated concrete (AAC). Each panel is solid yet lightweight, delivering exceptional thermal performance, acoustic insulation, and structural integrity.

Unlike traditional brick or timber framing, Helix offers a complete solution that enhances comfort, reduces external noise, and enables faster, cleaner construction. Every panel is crafted to meet the demands of Australia's diverse climates, bushfire zones and evolving design preferences.

## Why Helix

Build smarter, live better.

Helix Thermal Concrete Systems have been developed with the modern Australian home in mind. Beyond their structural performance, Helix panels are finished with a clean, rendered surface that minimises joins and maximises design appeal.

They're fire-resistant, termite-resistant and designed to help maintain a more stable indoor temperature all year round. And because they're precision-made offsite, installation is faster and less wasteful than traditional construction methods.

The result? A wall system that feels better, lasts longer, and elevates your home's liveability from day one.





## Distribution

### Exclusive to Big River Group.

Helix AAC Systems are distributed exclusively by Big River Group, ensuring trusted national supply, trade support, and seamless access for builders and developers across Australia.



## Benefits

### Designed for performance. Chosen for lifestyle.

Helix AAC Panels don't just meet construction standards - they elevate everyday living. Whether you're designing a sleek contemporary home or a multi-residential project, Helix offers more than structural integrity. Helix's panels contribute to comfort, peace of mind, and long-term value - all while reducing maintenance and environmental impact.

#### Thermal Comfort



Excellent insulation properties help maintain stable indoor temperatures all year round - cooler in summer, warmer in winter - reducing reliance on artificial heating and cooling.

#### Acoustic Peace



High-density AAC blocks out unwanted noise from neighbours, traffic, or construction, making it easier to relax, sleep, and focus.

#### Fire Resistance



Non-combustible by nature, Helix AAC Panels are suitable for bushfire-prone areas and meet stringent fire safety standards, providing added protection for homes and occupants.

#### Durability



Helix is resistant to warping, cracking, rot, termites, and moisture. It performs reliably even under tough site or environmental conditions.

#### Architectural Style



Clean, rendered lines deliver a refined aesthetic that suits both classic and modern architecture. Panels are ready for a wide variety of finishes.

#### Low Maintenance



With fewer moving parts and stable material properties, Helix AAC Panels retain their look with minimal upkeep - ideal for long-term asset management.

#### Climate-Ready



Engineered and tested for Australia's harshest environments, including extreme heat, storms, and coastal conditions.

# Applications

Versatile. Adaptable.  
Beautifully finished.

Helix panels suit a wide range of applications:

- External walls (new homes and extensions).
- Fencing and privacy walls.
- Flooring and subfloor systems.
- Multi-storey residential construction.
- Renovations and re-cladding projects.

Once installed, the panels are finished with the Dulux two-coat render system, providing a durable, uniform, and architecturally refined surface.



## System Overview

Engineered for site performance.  
Built for long-term strength.

Helix AAC isn't just a better panel - it's a better way to build. From structural confidence to streamlined installation, every part of the Helix system is designed to deliver performance on-site and long-term value in the built environment.

### Engineered for Performance

Helix AAC Panels combine steel reinforcement, high-pressure curing, and precision manufacture to meet Australian Standards and deliver outstanding thermal, acoustic, and structural performance. Whether you're designing for resilience or energy efficiency, Helix provides a strong foundation.

### Faster to Install, Simpler to Finish

With vertical orientation, large panel formats, and fewer joints to manage, Helix panels make installation faster and cleaner. The lightweight design is easy to handle and align, and the pre-finished surface reduces the need for on-site preparation or patching.

### Design-Friendly & Versatile

Helix suits a wide range of applications, from boundary and intertenancy walls to residential façades and privacy screens. Panels can be easily cut, shaped, and detailed to suit modern render finishes and architectural styles.

### Built to Last

Corrosion-protected steel mesh and a durable AAC core help Helix panels resist moisture, fire, and termites - ensuring long-term performance even in harsh Australian conditions.

### Lightweight, Structurally Confident

Up to 75% lighter than traditional masonry, Helix AAC simplifies engineering and reduces the load on foundations and framing. It's ideal for multi-storey projects and fast-tracked construction schedules without compromising structural integrity.

### Available Sizes

Helix AAC Panels are 600mm wide and available in the following vertical lengths:

2400mm | 2550mm | 2700mm  
2800mm | 3000mm | 3300mm

Panels are available in 50mm and 75mm thicknesses and include centrally positioned corrosion-resistant steel mesh with transverse reinforcement for added strength.





## Pricing & Delivery

Transparent pricing.  
Builder-focused delivery.

Helix is committed to simplifying procurement and improving affordability in construction. That's why they've developed a per-square-metre pricing model that includes everything you need:

- Panels
- Adhesive
- Fixings
- Delivery to site
- Take-off sheet and layout support

Buildex's builder-direct model ensures reliable access to materials, minimises delays, and keeps your project on track - all with fewer touchpoints and more control over your build timeline.

## Compliance & Certification

Tested to perform. Certified to deliver.

Helix AAC is fully compliant with the National Construction Code (NCC) and applicable Australian Standards for external wall systems. Buildex's panels are manufactured under strict quality control conditions and have been independently assessed to meet performance benchmarks for structural integrity, fire resistance, thermal efficiency, and durability.

Helix are proud to hold CodeMark certification, ensuring they meet the rigorous requirements for use in residential and commercial construction across Australia.

**Helix is engineered for performance - and independently certified to prove it.**

## Warranty Coverage

Comprehensive warranty protection to ensure long-term performance.

Helix AAC provides comprehensive warranty protection designed to guarantee the long-term durability, strength, and performance of its AAC building systems. Each product is backed by clearly defined manufacturing and installation warranties, ensuring that Helix AAC panels meet the highest standards of quality and reliability. This commitment provides builders, installers, and property owners with confidence that every panel is manufactured, supplied, and installed in accordance with approved specifications, Australian Standards, and Helix AAC technical guidelines.





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