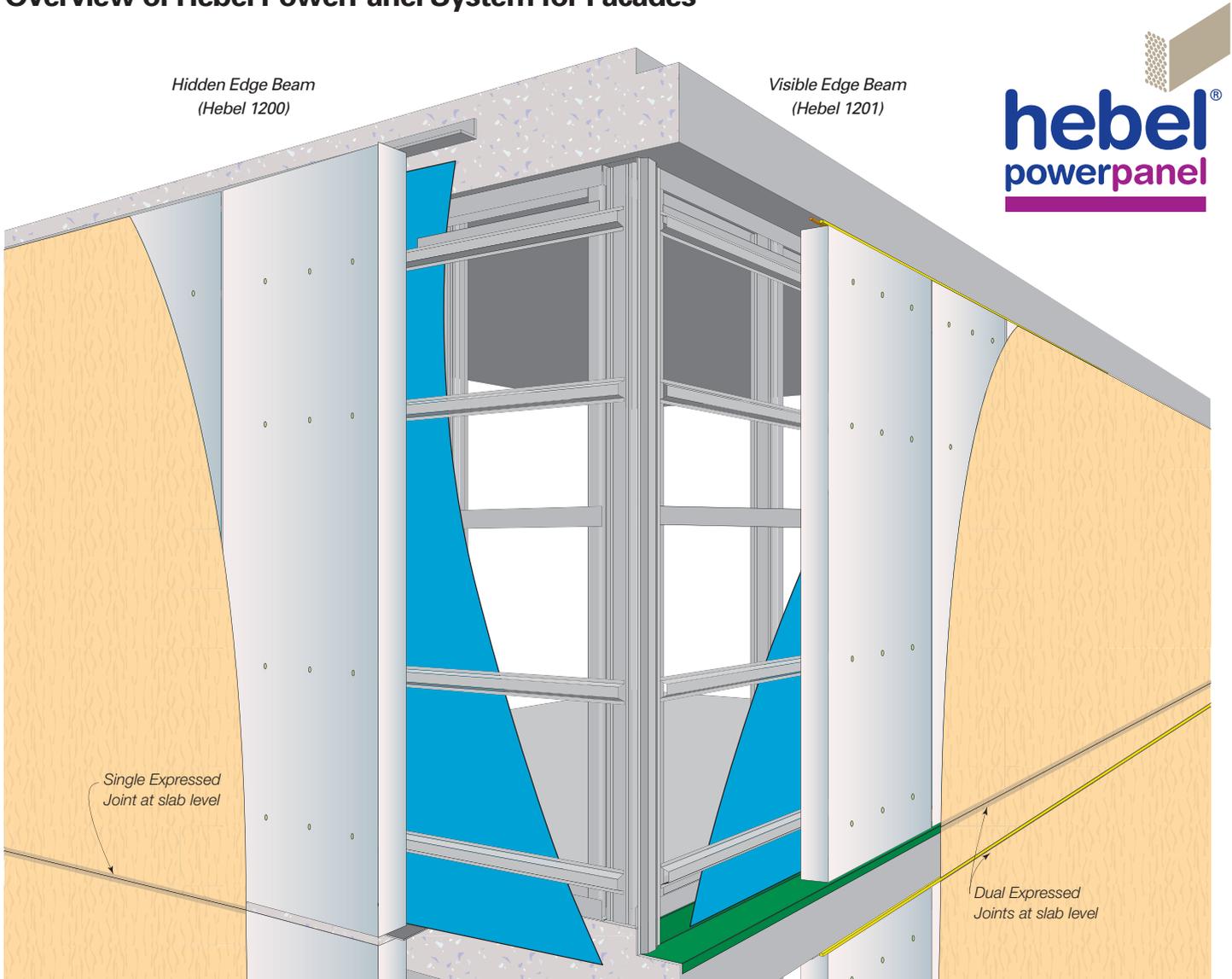


# Building High Rise External Walls with Hebel PowerPanel

## Overview of Hebel PowerPanel System for Facades



## Benefits of using Hebel PowerPanel on External Walls

- Fast construction timetables (with less reliance on bricklaying trades) and less scaffolding costs
- Versatility of design with a pressure equalised system
- Lightweight system resulting in reduced weight on structure which can reduce structural concrete elements
- Systemised building components make construction faster and easier (then brick)
- Smaller crews without need for wet trades
- Low wastage and reduced crane requirement (especially compared to brick)
- No reliance on bricklayers and better utilisation of normal trades people
- Solid and secure with high fire rating levels
- Matches to superior coating systems without leeching of the acrylic system
- Strong acoustic values dampen exterior noise
- High levels of sustainability and 'green' credentials

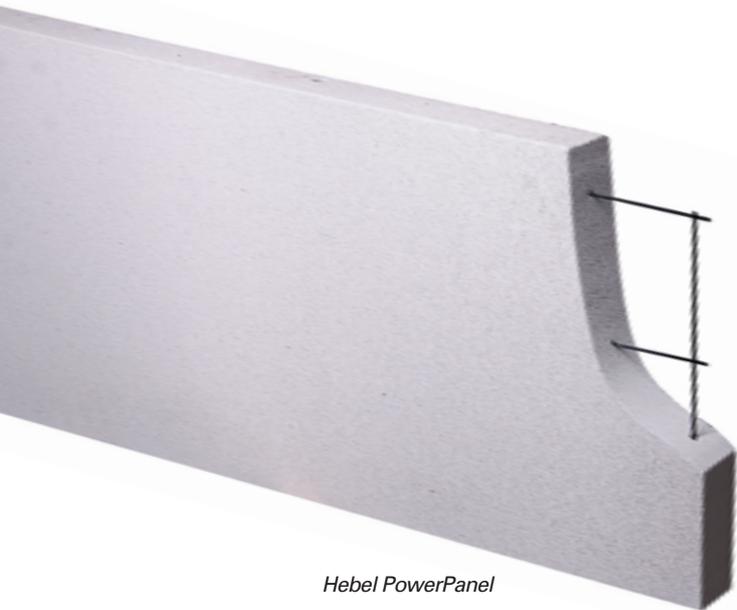
# Better buildings are constructed with Hebel

## Hebel PowerPanel:

- **A high-performance lightweight concrete panel system.**
- **Proven, scientifically tested and trusted by leading builders.**
- **Australian made and backed by CSR**

## What is Hebel?

Hebel is high performance lightweight aerated concrete manufactured from sand, cement, recycled material, lime, gypsum and aerating agents.



Hebel PowerPanel

## Build with confidence and peace-of-mind



The unique attributes that make Hebel such an innovative, sustainable and proven building product are perfectly summarised by the following qualities:



### Fastest masonry wall system

Hebel wall panels are faster to construct and require significantly less labour compared to traditional masonry construction techniques leading to substantial savings in site costs. Building with Hebel means less mess on-site, a cleaner, safer work area during construction and less clean-up at completion of building.



### Lightweight yet solid and tough as masonry

Lightweight Hebel PowerPanels ensure lighter loads on structures compared to traditional bricks and pre-cast concrete panels. This can lead to substantial savings in supportive concrete structure in multi-storey units.



### Highly fire resistant for peace of mind and added security

Hebel is non-combustible and renowned for its highly fire resistant properties and achieves a FRL (Fire Resistance Levels) from 90 minutes through to 240 minutes\* (tested at CSIRO).

*\*Note: Fire Resistance Levels were achieved with the overall PowerPanel system.*



### A sound reason for better acoustic qualities

Hebel pioneered the introduction of lightweight wall panels providing acoustic performance levels at or above  $R_w + c_{tr} = 50$  in high rise multi-residential buildings.



### A comforting thought for a comfortable living environment

Hebel's unique AAC construction provides superior insulation qualities for a masonry product. The unique combination of thermal resistance along with thermal mass, make building with Hebel a smart choice for meeting Australia's increasing energy efficiency regulations.



### Sustainability for a better world in the long term starts today

Hebel delivers a diverse number of environmental benefits over brick and concrete. Hebel uses 61% and 64% less embodied energy and 64% and 55% less greenhouse gas emissions than the comparative products, concrete and brick veneer respectively.

**For further information or to speak with a Hebel expert call:**

**1300 369 448**

[www.hebelaustralia.com.au](http://www.hebelaustralia.com.au)



The better way to build