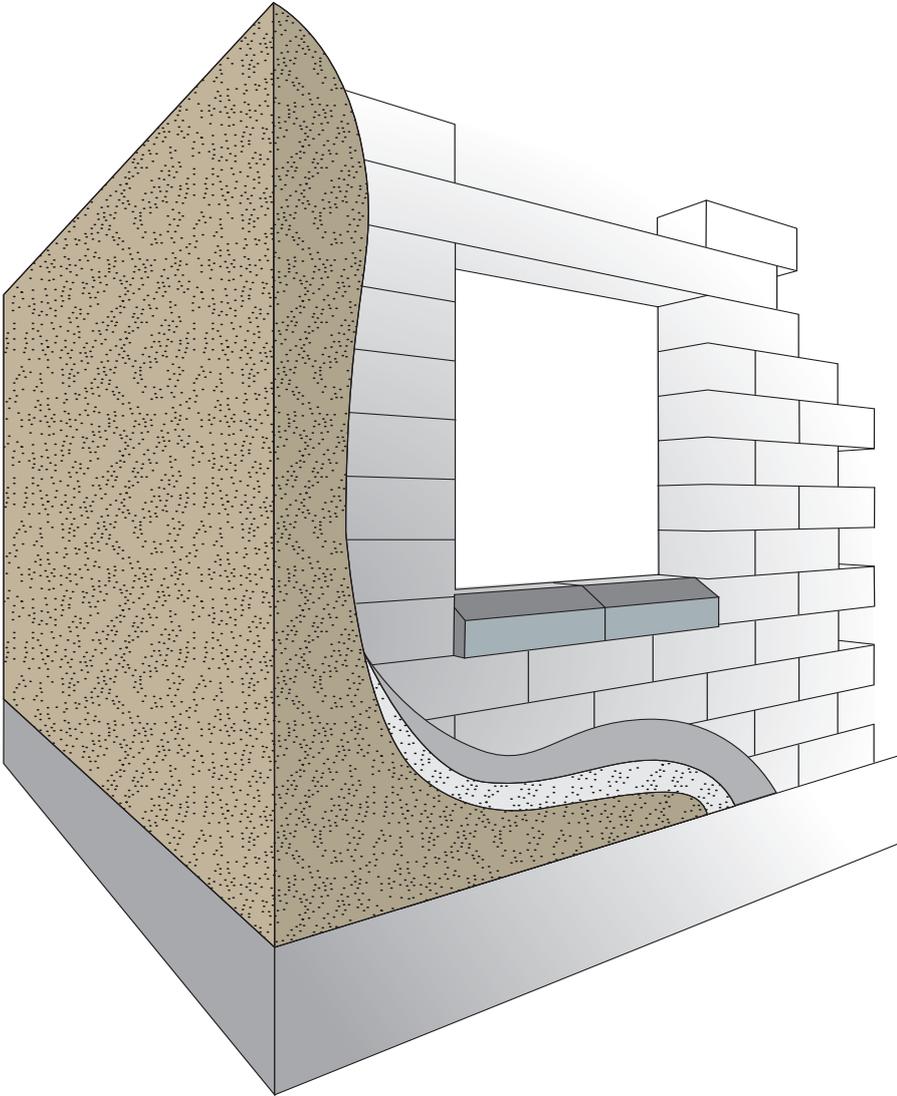


# Building full load bearing homes with Hebel PowerBlock+



## PowerBlock+ delivers load-bearing solid masonry qualities comparable to concrete block.

Solid masonry construction has long been regarded as the 'ultimate' home building method. Hebel PowerBlock+ is the ideal alternative to concrete block, giving you an extremely solid construction with exceptional acoustic and thermal insulation properties to provide a more comfortable and energy efficient home.

The face size of a PowerBlock+ is 550mm x 200mm. External walls are typically constructed using 250mm thick Hebel PowerBlock+ whilst internal non-loadbearing block walls generally use the 100mm or 150mm PowerBlock+. The large format blocks are lightweight and, forming a single wall, are rapidly installed.

### Block Walls

Fire	up to 240/240/240
Acoustic	$R_w + C_{tr}$ 35 to 42
Thermal	R2.04 to R4.09
Wall Thickness	250mm to 356mm

\* PowerBlock+ systems. James Fricker Report 107.67 and 107.73

### The unique benefits of home building with Hebel PowerBlock+

- A solid load-bearing masonry home.
- A Hebel PowerBlock+ home 'breathes' and controls moisture making it an incredibly comfortable living environment.
- With over one and half times the thermal resistance of filled concrete block, Hebel PowerBlocks+ systems\* easily exceed the New Zealand Building Code (NZBC) minimum energy requirements.
- Excellent acoustic performance and sound insulation attributes.
- Design and build freedom and flexibility – easily worked with standard power tools.
- Non-combustible – up to a four hour fire rating makes Hebel PowerBlock+ the safe choice.
- Enhanced design freedom can be achieved through routing and shaping. Facings and sill blocks complement the high aesthetic appearance.



# PowerBlock+

## The premium alternative to concrete block



### The ideal choice

Like all true beauty, the stunning visual appeal of Hebel is more than skin-deep. Underneath the impressive rendered exterior you'll discover the many reasons why more and more people are turning to Hebel.

### What is Hebel?

Hebel autoclaved aerated concrete (AAC) is a remarkable building material replicating a mineral that already exists in nature. It's made from readily available raw materials such as sand, cement, lime and gypsum, which are combined with water and an expansion agent. The result is a high quality product with a cellular structure that allows water vapour to flow in and out efficiently.



For sales enquiries or further information, please telephone us on:  
**0800 4 HEBEL (0800 443 235)**  
[www.hebel.co.nz](http://www.hebel.co.nz)



#### STRONG AND SOLID

Being a high-quality masonry product, Hebel PowerBlocks provide the solid feel, security and peace-of-mind associated with traditional bricks or concrete block.



#### QUALITY AND SPEED

Hebel is a strong and robust building material that's extremely cost effective. Compared to traditional concrete block construction, Hebel PowerBlock walls can be laid much faster. The result is lower labour costs and significant savings for the homeowner.



#### NOISE REDUCTION

Hebel provides significantly reduced sound transmission between rooms and in noise penetration from external sources and foot traffic. Advances in entertainment technology (ie: home theatres) and requirements by homeowners for enhanced privacy in their day-to-day living make Hebel the ideal building material for modern homes.



#### ENERGY EFFICIENT

Hebel's unique properties provide superior insulation qualities. The unique combination of thermal resistance along with low mass, make building with Hebel a smart choice when considering building efficiency. It can help save on energy costs.



#### FIRE RESISTANT

Hebel is renowned for its fire resistant properties. A non-combustible material, Hebel PowerBlocks can achieve Fire Resistance Ratings (FRRs) of up to 240/240/ 240 minutes (tested at CSIRO). When building with Hebel, you're building with peace-of-mind that your home is safe and secure.



#### ECO-FRIENDLY

Independent testing shows that overall, Hebel has a 30% lower environmental impact than concrete or brick veneer. Hebel panels use 60% less embodied energy and produces 55% less greenhouse emissions compared to concrete or brick veneer, making it a more sustainable, environmentally friendly choice of building material.



#### PROVEN

CSR Hebel is the only manufacturer of AAC in Australia. With over 25 years of experience in developing, testing and producing AAC you can be assured you're getting high quality products and systems and unmatched technical expertise with Hebel.



The better way to build

