

Hebel PowerFence

Refer to product table below for applicable product codes covered by this document

Issue

8 Dec 2023

Product Type & Application

Hebel PowerFence provides a modular masonry fence using lightweight autoclaved aerated concrete (AAC) panels and steel posts which can be easily and quickly erected without the need for extensive excavation or strip footings, as is normally the case for traditional masonry fence construction.

The PowerFence system uses 1800 x 600 x 75mm Hebel PowerPanels or 2400 x 600 x 75mm Standard Density PowerPanel, with 75 x 75mm square section steel posts.

A specially designed PowerFence Bracket allows the single square post to be used for a large variety of fence configurations. The PowerFence Bracket can be rotated around the post for easy installation of corners. The brackets can be separated vertically on the post to allow panels to be 'stepped' for sloping terrain.

PowerFence is an ideal fencing system for DIY.

Hebel PowerFence is designed for use as boundary fencing and low privacy walls:

- Located anywhere with respect to a relevant boundary
- Located in any exposure zone (except adverse microclimate conditions) as defined in NZS3604:2011 (para 4.2.4)
- Located in any seismic zone (as defined in NZS 3604:2011 and modified by V1/VM1)
- Located in any wind zone up to and including VERY HIGH (as defined in NZS 3604:2011)

Compliance with the New Zealand Building Code

When correctly specified and installed, this product meets or contributes to compliance with the following performance requirements of the building code:

B1 Structure B1.3.1, B1.3.2, B1.3.3 (e, f, h, j, m), B1.3.4 - Hebel PowerFence complies with Verification Method B1/VM1.

B2 Durability B2.3.1 (c), B2.3.2(a) –

Hebel PowerFence AAC panels is completely inorganic and are unaffected by borer or fungi and is unaffected by UV exposure. Hebel PowerFence are galvanised and are generally protected from exposure to the environment.

C3 Fire affecting areas beyond the fire source C3.7 – Hebel PowerFence is non-combustible.

F2 Hazardous building materials F2.3.1 - Hebel Fence does not contain any substance that will give rise to harmful concentrations at the surface of the material where the material is exposed or in the atmosphere of any space. AAC does not contain asbestos.

Basis of Compliance

- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure First edition (Amendment 21), 2 November 2023
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
- C/MM1 Verification Method for Solid Fuel Appliances C/AS1 Acceptable Solution for Buildings with Sleeping (residential) and Outbuildings (Risk Group SH) For New Zealand Building Code Clauses C1-C6 Protection from Fire (2nd Edition), 2 November 2023
- C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire First edition (Amendment 3), 2 November 2023
- Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020
- How to Build Hebel PowerFence, November 2017FRR testing
- KCL Engineering Services Report, Hebel Power Fence Footing Embedment Table, 18 September 2015
- Safety Data Sheet Hebel Autoclaved Aerated Concrete, Ref No: CSR0001701, Ver 1.2 Issued: 2022-02-08

This Product Technical Statement is published in accordance with the Building Act 2004 Section 14g. It relates to this product when it is produced at a CSR approved facility in accordance with CSR Specifications and approved materials, is unmodified, and installed in accordance with the technical data, plans, specifications, and advice prescribed by the manufacturer. It relates to the provisions of the building code in effect at the date of issue of this Product Technical Statement.



Hebel PowerFence

Conditions of Storage, Use & Maintenance

- All materials must be kept dry and preferably stored undercover.
- Hebel® PowerPanels should be left on their pallet until they are required. Place the pallet on a level and stable surface.
- The project engineer should be consulted as to the adequacy of the structure to support Hebel® PowerPanels if they are not stored directly on the ground or concrete slab.

Refer to the product warranty at hebel.co.nz for more information.

Limitations of Use

- This product is not subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.

- Seek technical advice from CSR Hebel on application suitability if unsure.

Specific Design or Installation Instructions

- Hebel Fence must be installed in accordance with the installation instructions How to Build Hebel PowerFence, November 2017, in particular the post spacing and depth of embedment.
- For documentation to support compliance of these systems with the NZ Building Code please contact Hebel NZ on 0800 4 HEBEL (0800 443 235).
- Installers should refer to the Hebel SDS and <https://hebel.co.nz/working-safely-hebel/> for information about working safely with Hebel.

For general installation guidance refer to the product literature at www.hebel.co.nz

Applicable Product Codes (SKU)

SKU	Description	Dimensions
21987	PowerPanel	1800 mm x 600 mm x 75 mm
135097	PowerPanel	2400 mm x 600 mm x 75 mm
13341	PowerFence Bracket set	
135132	PowerFence Edge Capping	77 mm x 1 mm alum x 2.4 m
131883	PowerFence Post	2.4 m x 75 mm x 75 mm x 2.5 mm
79616	PowerFence Post Extension	600 mm x 75 mm x 75 mm x 2.5 mm
82299	PowerFence Capping	240 mm x 1800 mm x 15 mm
82300	PowerFence Capping	110 mm x 1800 mm x 15 mm
141007	Screw 10-16 x 40 mm wing driller	250/box
21933	Hebel Adhesive	20 kg bag
21949	Hebel Patch	10 kg bag

Visit Hebel.co.nz for more details on accessories.

Find out more on hebel.co.nz or email info@hebel.co.nz or call 0800 4 HEBEL (0800 443 235)
Hebel NZ, 14 The Furlong, Takanini, Auckland

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