PowerPanel^{XL}
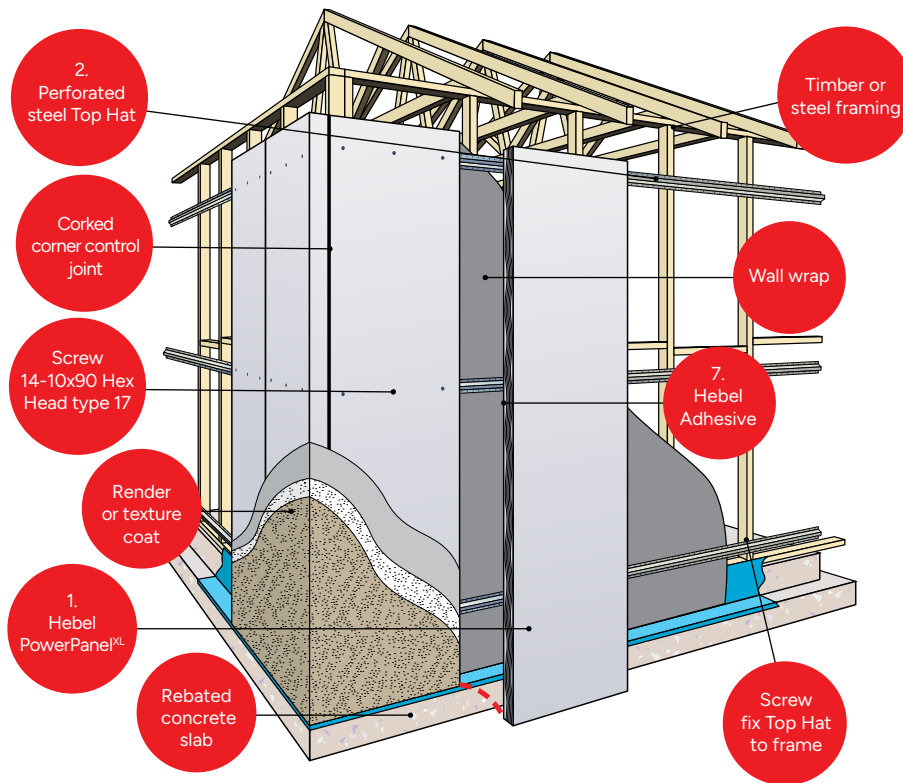
For fast solid walls with a rendered finish and outstanding thermal and fire resistance.

Hebel PowerPanel^{XL} has been developed and tested for low rise residential external and zero boundary wall systems, which are warranted by CSR Hebel.

hebel®

The better way to build

- 2. Perforated steel Top Hat
- Corked corner control joint
- Screw 14-10x90 Hex Head type 17
- Render or texture coat
- 1. Hebel PowerPanel^{XL}
- Rebated concrete slab
- Timber or steel framing
- Wall wrap
- 7. Hebel Adhesive
- Screw fix Top Hat to frame

- Strong and solid
- Quality and speed
- Energy efficient
- Eco-friendly
- Noise reduction
- Fire resistant
- Proven

PowerPanel^{XL} External Wall System

The PowerPanel^{XL} system consists of 75mm thick, steel-reinforced AAC panels, vertically secured to the structural frame via horizontal perforated top hat sections. The wall is then rendered with a recommended coating system – providing a faster way of constructing external facades for residential builds.

- **Fire rating:** Up to 180/180/180 when subjected to an external fire source (FRL of wall system without construction joints)
- **Acoustic:** Up to $R_w + C_{tr}$ 33
- **Thermal:** R0.6 $m^2.K/W$ for 4.0% M.C for panel only and up to R3.8 $m^2.K/W$ in wall system
- **Common Wall Thickness:** 199mm, based on 90mm stud + 10mm plasterboard + 24mm top hat + 75mm PowerPanel^{XL} With variations in stud thickness and top hats, wall widths can vary between 173mm to 212mm.

Note: Refer to relevant Design and Installation Guide on website or contact Technical services team for further details on performance of variety of wall system configurations.

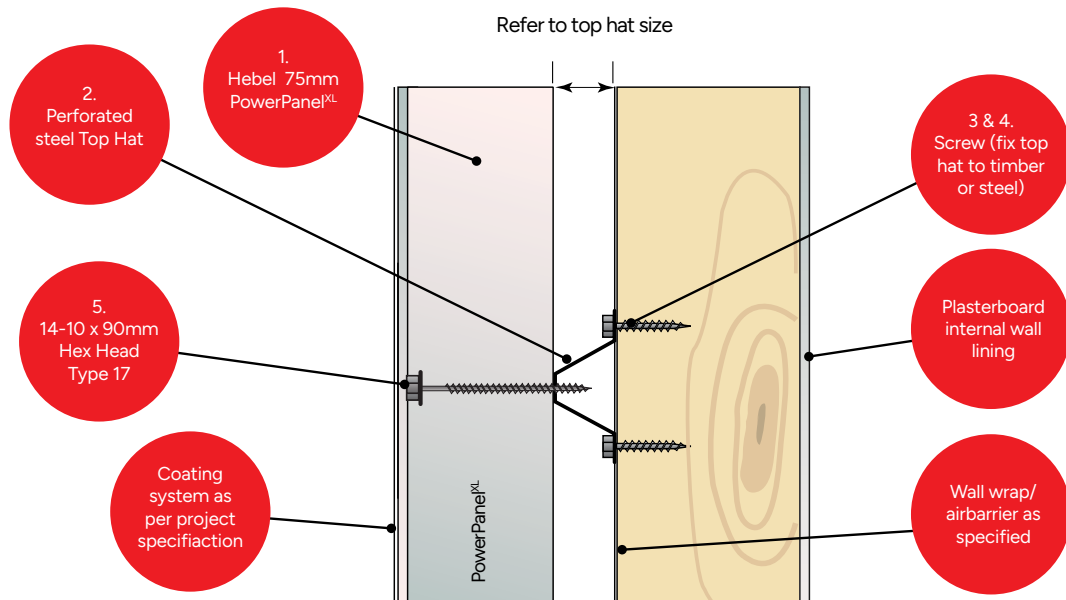## PowerPanel^{XL} Standard Panel Sizes

75mm thick x 600mm wide x 2400mm, 2550mm, 2700mm, 2800mm, 2850mm, 3000mm and 3300mm long.

External Walls - Houses & Low Rise Multi Residential

- delivers quality solid walls finished with a flexible coating system
- excellent thermal performance – PowerPanel^{XL} has almost 2 times more thermal resistance than a standard brick
- fast to construct - one standard Hebel panel is the equivalent of 75 traditional bricks, which means an average sized home can go up as quickly as within 3 days when installed by experienced Hebel installers
- good acoustic performance
- patterns can be machined or routed into the panels to produce an individual, attractive finish
- system meets or exceeds all six Bushfire Attack Level (BAL) categories

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PowerPanel^XL External Cladding

For fast solid walls with a rendered finish and outstanding thermal and fire resistance.

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The better way to build

Refer to top hat size

1. Hebel 75mm PowerPanel^XL

2. Perforated steel Top Hat

3 & 4. Screw (fix top hat to timber or steel)

5. 14-10 x 90mm Hex Head Type 17

Plasterboard internal wall lining

Coating system as per project specifiaction

Wall wrap/airbarrier as specified

PowerPanel^XL

ITEM	DESCRIPTION	LOCATION
1	Hebel 75mm PowerPanel^XL	Entire wall
2	Perforated Top Hat 24mm x 4.8m x 0.42mm BMT or 35mm x 4.8mm x 0.55mm BMT	Attaching PowerPanel^XL to frame
3	Screws to fix Top Hat to timber stud Screw 12-11 x 35mm Hex Head type 17	Fix Top Hat to timber frame
4	Screws to fix Top Hat to steel stud Screw 10-16 x 16mm Hex Head Teks, self drilling	Fix Top Hat to steel frame
5	Screws to fix PowerPanel^XL to Top Hat Screw 14-10 x 90mm Hex Head type 17	Fix PowerPanel^XL to Top Hat
6	Hebel Anti-Corrosion Paint 500ml	Used on exposed reo
7	Hebel Adhesive 20kg bag	Used on all panel joints (except control joints)

1
2400mm
2550mm
2700mm
2800mm
2850mm
3000mm
3300mm

PowerPanel^XL

2 Perforated Top Hat
24mm x 4.8m x 0.42mm BMT
35mm x 4.8mm x 0.55mm BMT

3 Screw 12-11 x 35mm Hex Head type 17

3 Screw 10 -16 x 16mm Hex Head Teks self drilling

5 Screw 14-10 x 90mm Hex Head type 17

6 Hebel Anti-Corrosion Paint 500ml

7 Hebel Adhesive 20kg bag

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For more information contact 1300 369 448 www.hebel.com.au

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