

# How to secure fixtures and fittings to your Hebel walls





We are often asked about how to secure fittings to Hebel walls – items such as light fittings, taps, downpipes, clotheslines, hot water services and hose reels.

It's important to seek advice on your individual home from your builder or designer before drilling holes or securing any loads onto Hebel walls. Using the right fitting for the relevant fixture will help avoid damage occurring to the wall.

## Common fixings for use with Hebel

Some of the most common fixings are covered in the following tables.

### Fixings in Hebel for general use

	Screw and plug fixing	Hole Size	Min Screw Embedment	Max load per Fixing	Design Pullout Capacity	Design Shear Capacity	Suitable Hebel Material
	Hex head 14-10 Type 17 screw only	Do not pre drill	50mm	10kg	0.20 kN	0.20 kN	PP50 PPXL PB
	Hex Head 12-11 Type 17 screw and Ramset Ramplug 8x40	8mm	40mm	10kg	0.20 kN	0.20 kN	PP50 PPXL PB
	Hex Head 14-10 Type 17 screw and Ramset Ramplug 8x40	8mm	40mm	10kg	0.20 kN	0.20 kN	PP50 PPXL PB
	Hex head 14-10 Type 17 screw only	Do not pre drill	60mm	15kg	0.38 kN	0.30 kN	PP PB PP+ PF+

#### Notes:

1. Fixing to be minimum 100mm from edge of panel, including door and window openings, expressed control joints and from the end of the wall
2. Do not over tighten fixings
3. If screw embedment is more than hole depth, then hole depth to be increased to match screw depth
4. In cases where panel thickness is less than plug length, hole depth to match panel thickness
5. Max load per fixing is calculated using the lower of the pullout/shear capacity with a factor of safety of 2
6. PP PowerPanel (75mm), PPXL PowerPanel<sup>XL</sup> (75mm), PP50 PowerPanel<sup>50</sup> (50mm), PB PowerBlock (75mm+), PP+ PowerPanel+ (125mm+), PF+ PowerFloor+ (150mm+)

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Hex Head 14-10  
Type 17 screw and  
Ramset Ramplug  
8x80

8mm

75mm

18kg

0.42 kN

0.37 kN

PPXL PP PB  
PP+ PF+



Hex Head 14-10  
Type 17 screw and  
Ramset Wallplug  
7x50

6.5mm

50mm

19kg

0.44 kN

0.38 kN

PPP50 PP PB  
PP+ PF+



Zenith M8  
stainless steel  
coach screw and  
Ramset Ramplug  
12x60

12mm

50mm

22kg

0.70 kN

0.43 kN

PPP50 PP PB  
PP+ PF+



Zenith M8  
stainless steel  
coach screw and  
Ramset Ramplug  
12x60

11.5mm

70mm

27kg

0.78 kN

0.55 kN

PPXL PP PB  
PP+ PF+



Ramset M8  
stainless steel  
coach screw and  
Ramset Ramplug  
10x100

10mm

95mm

40kg

1.50 kN

0.80 kN

PP+ PF+

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