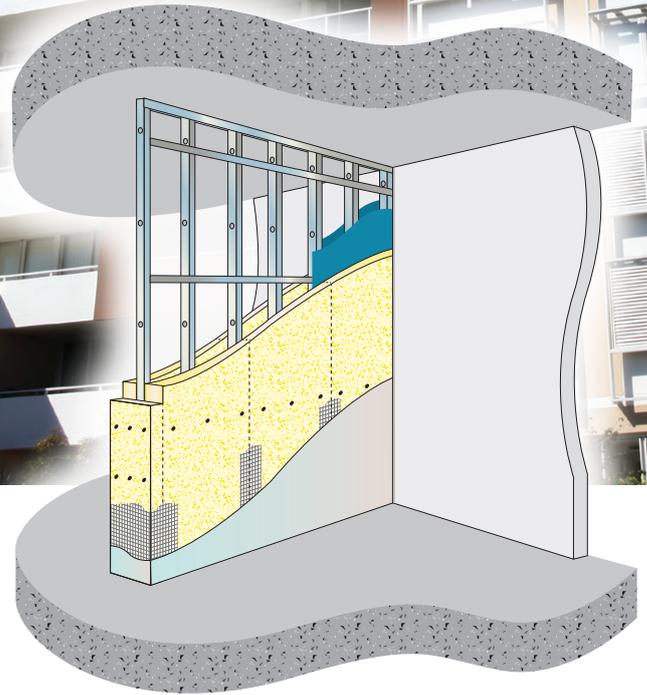




The better way to build



DATA SHEET



Balcony Blades

An Engineered solution for Balcony Blades

CSR Hebel has developed a fully engineered Slim line Balcony Blade system for use in High Rise Multi-Residential Apartments.

The blade design has been refined to an overall wall thickness of 200mm. This assists in maximising the usable balcony space, as well as aligning the width with internal walls; an important design aspect where balcony blades are aligned with internal walls at sliding door junctions.

CSR Hebel blade design is fully engineered and supported by simple to read capacity tables and fixing instructions.

Hebel PowerPanel for external Balcony Blades – reduces labour, material and installation costs

-  **Save on materials**
-  **Save on installation time**
-  **Save on labour costs**
-  **Save on waste materials**



Key Installation Benefits

- Slim 200mm blade thickness maximises balcony space and aligns with internal walls
- Fast and easy to construct
- Uses proprietary framing members which are readily available
- Fully engineered system with easy to read fixing instructions
- Hebel Powerpanel balcony blade panels provide solid, secure, steel-reinforced walls compared to FC sheet
- Less waste and off-cuts on site significantly reduces site waste and management costs

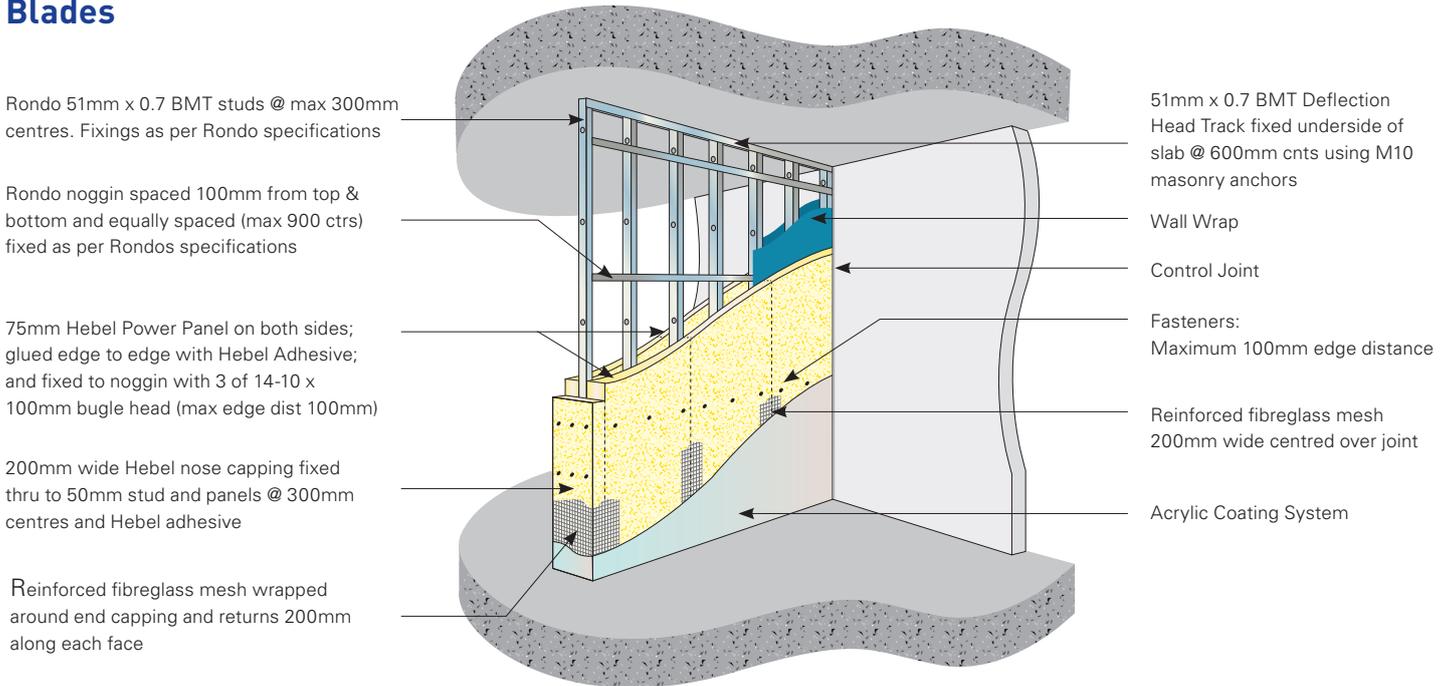


**Lightweight yet solid,
secure and durable**



**Hebel delivers superior
environmental benefits
compared to concrete**

Overview of Hebel PowerPanel System for Balcony Blades



Fixings Tables

Deflection head to underside of slab	M10 Ramset Dynabolt or equivalent spaced @ max 600mm centres max. Edge distance \geq 100mm, min. 90mm Embedment
Base track to slab	as per head track
Stud to btm track	#10-16 Hex Head self drilling screw 1 fixing per side
Noggin to stud	#10-16 Hex Head self drilling screw 1 fixing per side
75mm Hebel PowerPanel to noggin	#14-10x100mm bugle head 3 per noggin per panel max edge distance 100mm

Panel Height (m)	2.1	2.4	2.7	3	3.3	3.6	3.9	4.2	4.5
Ultimate Wind Pressure (kPa)	9.63	8.43	7.15	5.79	4.78	4.02	3.43	2.95	2.57
Serviceability Wind Pressure (kPa)	7.88	6.03	4.48	3.27	2.23	1.57	1.14	0.85	0.65

NOTES:

- Minimum Steel grade has been assumed as 250MPa
- Minimum concrete grade has been assumed 25MPa
- Maximum Masonry Anchor spacing of 600mm.
- Installation of masonry anchors to be as per manufacturers recommendations.
- Assembly of and fixings of the steel frame to be in accordance with Rondos recommendations.
- Local pressure factors must be taken into consideration (in accordance with AS/NZS1170.2) in determining serviceability wind pressure applicable to the Hebel blade walls.
- Serviceability wind pressures are based on span/240 or max 12.5mm deflection.
- The Hebel Blade Wall system has not considered cyclonic wind loading.

For more information on Hebel high rise internal walls please call **1300 369 448**
or visit www.hebel.com.au



Hebel® is a registered trademark of the Xella group.
CSR Building Products Limited is an exclusive licensee of Xella.
CSR Hebel is a business of CSR Building Products Limited. ABN 55 008631356

