



## 2011

## Bottom Plate Product Technical Statement

### Bottom Plate Fixing Solutions Table

Fixing Requirements				Installation		
Bottom Plate Location	Bottom Plate Fixing Requirement	Concrete Strength (min.)	Floor Edge Type	Fastener	Max Spacing	Min Edge Distance
External Wall	NZS3604:1999	17.5 MPa	Concrete	12120BPA* <sup>1</sup>	900 mm <sup>3</sup>	55 mm
	NZS3604:2011 <sup>3</sup>		Masonry Block			
	Proprietary Bracing Systems (15 kN)	17.5 MPa	Concrete	AS12150H* <sup>2</sup> AS12150GH* <sup>2</sup>		
			Masonry Block			
Internal Wall	NZS3604:1999	17.5 MPa	N/A	12120BPA* <sup>1</sup>	900 mm	N/A
	NZS3604:2011			8x75 Drive Pin & Washer	600 mm	N/A
	Proprietary Bracing Systems (15 kN)	17.5 MPa	N/A	12120BPA* <sup>2</sup>	900 mm	N/A

Solutions are suitable when fixing a 90x45 Bottom Plate.

1 - To be used in conjunction with a 50x50x3 washer.

2 - To use in conjunction with a Pryda Bracing Anchor bracket.

3 - To meet NZS3604: 2011, Masonry Block floor requirements, Max spacing = 600mm.

### Bottom Plate Durability

NZS3604 Table 4.1 classes bottom plates in a "closed (dry, internal location), not subjected to airborne salts or rain wetting" therefore the durability requirements can be met anywhere in New Zealand with a zinc passivated fastener.



12120BPA Anchor



AS12150 Anchor



HD875 Drive Pin

Ramset has determined the suitability of the above fasteners from results in reports SR125, LTR032 2008 and evaluation by research organisations and Industry recognised personnel.