

BPB Bracing System BPB1BP 900mm Specification Sheet

Bracing

Bracing ratings for BPB Standard Plasterboard have been obtained from product tested in accordance with NZS 3604 and the P21 bracing test procedures. The bracing values stated in the below table apply to both timber and concrete floor constructions.

BPB Bracing System Specifications

BPB Bracing System Reference	BPB1BP 900
Bracing Units/Meter Wind	150 BU/m
Bracing Units/Meter Earthquake	150 BU/m
BPB Lining Requirement	10mm BPB Braceboard Plasterboard on one side fixed vertically or horizontally. 7mm DD Plywood on the other side.
Minimum Permitted Wall Length (mm)	900mm
Maximum Permitted Wall length (mm)	6000mm
Maximum Permitted Wall Height (mm)	3600mm
Hold Down Anchors	Required
Straps or BPB Bracing Anchor	Required
Diagonal Brace	Not required
BPB Plasterboard types permitted with this system.	<ul style="list-style-type: none"> • 10mm BPB Braceboard • 13mm BPB Duraline
Framing	Framing to be MSG8 kiln dried timber. Minimum framing sizes for internal and external walls to be in accordance with NZS 3604 Section 8
Fixings	Use Brace Screws (Large head 32mm x 7g) for fixing BPB Plasterboard to the framing.
Perimeter Fixing Centres	150mm
Corner Fixing Centres	50mm, 50mm and 50mm
Adhesive	The use of adhesive is permitted to the intermediate studs only and is to be placed at 300mm centres. Please note that fixings are not to pass through adhesive as this can cause protrusion of the fixing. (This is known as popping).
Jointing	For sheets which are installed vertically or horizontally all joints are to be paper taped and stopped in accordance with AS/NZS 2589.1

BPB Bracing System BPB1BP 900mm Wall Height/Length Total Values

Total Bracing Units		Wall Height							
		2400		2700		3000		3600	
		Wind	Earth	Wind	Earth	Wind	Earth	Wind	Earth
Wall Length mm	900	135	135	120	120	108	108	90	90
	1000	150	150	133	133	120	120	100	100
	1100	165	165	146	146	132	132	110	110
	1200	180	180	160	160	144	144	120	120
	1500	225	225	200	200	180	180	150	150
	2000	300	300	266	266	240	240	200	200
	2400	360	360	320	320	288	288	240	240
	3000	450	450	400	400	360	360	300	300
	3600	540	540	480	480	432	432	360	360
	4200	630	630	560	560	504	504	420	420
	4800	720	720	640	640	576	576	480	480
	6000	900	900	800	800	720	720	600	600

For further information on BPB Bracing Systems please refer to the BPB Bracing Manual or contact BPB
Ph: 0800 272 262. Web Site www.bpb.co.nz

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BPB1BP 900 Construction Illustration

