

BPB Bracing System BPB1BD 1800mm 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	BPB1BD 1800
Bracing Units/Meter Wind	150 BU/m
Bracing Units/Meter Earthquake	120 BU/m
BPB Lining Requirement	10mm BPB Standard Plasterboard on one side fixed vertically or horizontally
Minimum Permitted Wall Length (mm)	1800mm
Maximum Permitted Wall length (mm)	6000mm
Maximum Permitted Wall Height (mm)	4800mm
Hold Down Anchors	Required
Straps or BPB Bracing Anchor	Required
Diagonal Brace	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 BPB1BD 1800mm. Total Values for Common Wall Lengths & Heights

To calculate the total bracing demand and achieved values for wind and earthquake please use the BPB Bracing Calculator

Total Bracing Units		Wall Height											
		2400		2700		3000		3600		4200		4800	
		Wind	Earth	Wind	Earth	Wind	Earth	Wind	Earth	Wind	Earth	Wind	Earth
Wall Length	1800	270	216	240	192	216	172	180	144	154	123	235	108
	2000	300	240	266	213	240	192	200	160	171	137	250	120
	2400	360	288	320	256	288	230	240	192	205	164	192	153
	2700	405	324	360	288	324	259	270	216	231	185	202	162
	3000	450	360	400	320	360	288	300	240	257	205	225	180
	3300	495	396	440	352	396	316	330	264	282	226	247	198
	3600	540	432	480	384	432	345	360	288	308	246	270	216
	3900	585	468	520	416	468	374	390	312	334	267	292	234
	4200	630	504	560	448	504	403	420	336	360	288	315	252
	4800	720	576	640	512	576	460	480	384	411	329	360	288
	5000	750	600	666	533	600	480	500	400	428	342	375	300
	5400	810	648	720	576	648	518	540	432	462	370	405	324
6000	900	720	800	640	720	576	600	480	514	411	450	360	

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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BPB1BD 1800 Construction Illustration

