

BPB Bracing System BPB1SA 1200mm 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	BPB1SA 1200
Bracing Units/Meter Wind	65 BU/m
Bracing Units/Meter Earthquake	55 BU/m
BPB Lining Requirement	10mm BPB Standard Plasterboard on one face fixed vertically or horizontally
Minimum Permitted Wall Length (mm)	1200mm
Maximum Permitted Wall length (mm)	6000mm
Maximum Permitted Wall Height (mm)	4800mm
Hold Down Anchors	Not required
Straps or BPB Bracing Anchor	Not required
Diagonal Brace	Not required
BPB Plasterboard types permitted with this system.	<ul style="list-style-type: none"> • 10mm BPB Standard • 13mm BPB Standard • 10mm BPB Aquastop • 13mm BPB Aquastop • 10mm BPB Firestop • 13mm BPB Firestop • 16mm BPB Firestop • 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 drywall Screws (32mm x 6g) or galvanised flat head nails (30mm x 2.5mm) 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 BPB1SA 1200 mm. 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 Values	Wall Length	Wall Height											
		2400		2700		3000		3600		4200		4800	
		Wind (65BU/m)	Earth (55BU/m)	Wind (65BU/m)	Earth (55BU/m)	Wind (65BU/m)	Earth (55BU/m)	Wind (65BU/m)	Earth (55BU/m)	Wind (65BU/m)	Earth (55BU/m)	Wind (65BU/m)	Earth (55BU/m)
	1200	78	66	69	58	62	52	52	44	44	37	39	33
	1500	97	82	86	73	78	66	65	55	55	47	48	41
	1800	117	99	104	88	93	79	78	66	66	56	58	49
	2000	130	110	115	97	104	88	86	73	74	63	65	55
	2400	156	132	138	117	124	105	104	88	89	75	83	70
	2700	175	148	156	132	140	118	117	99	100	84	87	74
	3000	195	165	173	146	156	132	130	110	111	94	97	82
	3300	214	181	190	161	171	145	143	121	122	103	107	90
	3600	234	198	208	176	187	158	156	132	133	113	117	99
	3900	273	231	225	190	202	171	169	143	144	122	126	107
	4200	273	231	242	205	218	184	182	154	156	132	136	115
	4800	312	264	277	234	249	211	208	176	178	150	156	132
	5000	325	275	288	244	260	220	216	183	185	157	162	137
	5400	351	297	312	264	280	237	234	198	200	169	175	148
	6000	390	330	346	293	312	264	260	220	222	188	195	165

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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BPB1SA 1200 Construction Illustration

