

BPB Bracing System BPB2SA 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	BPB2SA 1800
Bracing Units/Meter Wind	80 BU/m
Bracing Units/Meter Earthquake	65 BU/m
BPB Lining Requirement	10mm BPB Standard Plasterboard on both sides 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	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 3604:1999 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 BPB2SA 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	144	117	128	104	115	93	96	78	82	66	72	58
	2000	160	130	142	115	128	104	106	86	91	74	80	65
	2400	192	156	170	138	153	124	128	104	109	89	96	78
	2700	216	175	192	156	172	140	144	117	123	100	108	87
	3000	240	195	213	173	192	156	160	130	137	111	120	97
	3300	264	214	234	190	211	171	176	143	150	122	132	107
	3600	288	234	256	208	230	187	192	156	164	133	144	117
	3900	312	253	277	225	249	202	208	169	178	144	156	126
	4200	336	273	298	242	268	218	224	182	192	156	168	136
	4800	384	312	341	277	307	249	256	208	219	178	192	156
	5000	400	325	355	288	320	260	266	216	228	185	200	162
5400	432	351	384	312	345	280	288	234	246	200	216	175	
6000	480	390	426	346	384	312	320	260	274	222	240	195	

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

BPB Bracing System BPB2SA 1800mm Specification Sheet

BPB2SA 1800 Construction Illustration

