

BPB Bracing System BPB1B 600mm 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	BPB1B 600
Bracing Units/Meter Wind	125 BU/m
Bracing Units/Meter Earthquake	115 BU/m
BPB Lining Requirement	10mm BPB Braceboard Plasterboard on one face fixed vertically or horizontally
Minimum Permitted Wall Length (mm)	600mm
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 BPB1B 600 mm Wall Height/Length Total Values

Total Bracing Units		Wall Height							
		2400		2700		3000		3600	
		Wind	Earth	Wind	Earth	Wind	Earth	Wind	Earth
Wall Length	600	75	69	66	61	60	55	50	46
	700	87	80	77	71	70	64	58	53
	800	100	92	88	81	80	73	66	61
	900	112	103	100	92	90	82	75	69
	1000	125	115	111	102	100	92	83	76
	1100	137	126	122	112	110	101	91	84
	1200	150	138	133	122	120	110	100	92
	1500	187	172	166	153	150	138	125	115
	2000	250	230	222	204	200	184	166	153
	2400	300	276	266	245	240	220	200	184
	3000	375	345	333	306	300	276	250	230
	3600	450	414	400	368	360	331	300	276
	4200	525	483	466	429	420	386	350	322
	4800	600	552	533	490	480	441	400	368
	6000	750	690	666	613	600	552	500	460

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BPB1B 600 Construction Illustration

