

# BPB Bracing System BPB2S 2400mm 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	<b>BPB2S 2400</b>
Bracing Units/Meter Wind	<b>90 BU/m</b>
Bracing Units/Meter Earthquake	<b>75 BU/m</b>
BPB Lining Requirement	10mm BPB Standard Plasterboard fixed both side vertically or horizontally
Minimum Permitted Wall Length (mm)	2400mm
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"> <li>• 10mm BPB Standard</li> <li>• 13mm BPB Standard</li> <li>• 10mm BPB Aquastop</li> <li>• 13mm BPB Aquastop</li> <li>• 10mm BPB Firestop</li> <li>• 13mm BPB Firestop</li> <li>• 16mm BPB Firestop</li> <li>• 10mm BPB Braceboard</li> <li>• 13mm BPB Duraline</li> </ul>
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
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 BPB2S 2400mm. 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	2400	216	180	192	160	172	144	144	120	123	102	108	90
	2700	243	202	216	180	194	162	162	135	138	115	121	101
	3000	270	225	240	200	216	180	180	150	154	128	135	112
	3300	297	247	264	220	237	198	198	165	169	141	148	123
	3600	324	270	288	240	259	216	216	180	185	154	162	135
	3900	351	292	312	260	280	234	234	195	200	167	175	146
	4200	378	315	336	280	302	252	252	210	216	180	189	157
	4800	432	360	384	320	345	288	288	240	246	205	216	180
	5000	450	375	400	333	360	300	300	250	257	214	225	187
	5400	486	405	432	360	388	324	324	270	277	231	243	202
6000	540	450	480	400	432	360	360	300	308	257	270	225	

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](http://www.bpb.co.nz)

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## BPB2S 2400 Construction Illustration

