

# BPB Bracing System BPB1BS 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	<b>BPB1BS 1200</b>
Bracing Units/Meter Wind	<b>150 BU/m</b>
Bracing Units/Meter Earthquake	<b>140 BU/m</b>
BPB Lining Requirement	10mm BPB Braceboard Plasterboard on one side fixed vertically or horizontally. BPB Standard or BPB Aquastop or BPB Firestop or BPB Duraline Plasterboard on the other side.
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	Required
BPB Plasterboard types permitted with this system.	<ul style="list-style-type: none"> <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 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 BPB1BS 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 Height											
	2400		2700		3000		3600		4200		4800	
	Wind	Earth	Wind	Earth	Wind	Earth	Wind	Earth	Wind	Earth	Wind	Earth
1200	180	168	160	149	144	143	120	112	102	96	90	84
1500	225	210	200	186	180	168	150	140	128	120	112	105
1800	270	252	240	224	216	201	180	168	154	144	135	126
2000	300	280	266	248	240	224	200	186	171	160	150	140
2400	360	336	320	298	288	268	240	224	205	192	180	168
2700	405	378	360	336	324	302	270	252	231	216	202	189
3000	450	420	400	373	360	336	300	280	257	240	225	210
3300	495	462	440	410	396	369	330	308	282	264	247	231
3600	540	504	480	448	432	403	360	336	308	288	270	252
3900	585	546	520	485	468	436	390	364	334	312	292	273
4200	630	588	560	522	504	470	420	392	360	336	315	294
4800	720	672	640	597	576	537	480	448	411	384	360	336
5000	750	700	666	622	600	560	500	466	428	400	375	350
5400	810	756	720	672	648	604	540	504	462	423	405	378
6000	900	840	800	746	720	672	600	560	514	480	450	420

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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## BPB1BS 1200 Construction Illustration

