

# Selection Charts

**Table 15**

**Bracing units for Prolam® Posts.** Verandah Posts PLP8H5 Treated.

## Verandah Bracing Units

Prolam Post - Height measured from top of concrete to top of Post. Confirm post/post fixing from uplift requirements. Minimum 6kN fixing for posts rated under 60 bracing units. Minimum 12kN fixings for posts rated 60 bracing units and over.

Prolam Post Verandah Posts	Post Height (m)	Bracing Units	Min post depth @ 450 dia (m)	Prolam Post Verandah Posts	Post Height (m)	Bracing Units	Min post depth @ 450 dia (m)
PLP8H5-125 112x112	1.8	10	0.9	PLP8H5-250 220x220	2.1	110	1.4
	2.1	7	0.9		2.4	85	1.4
	2.4	5	0.9		2.7	65	1.4
PLP8H5-150 135x135	1.8	21	1.2		3.0	55	1.4
	2.1	16	1.2		3.3	45	1.4
	2.4	12	1.2		3.6	35	1.4
	2.7	9	1.2		PLP12H5-250 220x220	2.1	120
PLP12H5-150 135x135	1.8	31	1.1	2.4		120	1.6
	2.1	23	1.1	2.7		110	1.6
	2.4	17	1.1	3.0		95	1.5
	2.7	13	1.0	3.3		80	1.5
PLP8H5-200 180x180	3.0	11	1.0	3.6	55	1.5	
	PLP8H5-300 260x260	1.8	60	1.4	2.4	120	1.5
		2.1	50	1.4	2.7	120	1.5
		2.4	35	1.4	3.0	110	1.5
		2.7	30	1.4	3.3	85	1.5
		3.0	30	1.4	3.6	75	1.5
		3.3	15	1.4	3.9	64	1.5
3.6	12	1.4	PLP12H5-300 260x260	2.4	120	1.6	
PLP12H5-200 180x180	1.8	82		1.4	2.7	120	1.6
	2.1	72		1.4	3.0	120	1.6
	2.4	55		1.3	3.3	120	1.6
	2.7	44		1.3	3.6	108	1.6
	3.0	35		1.3	3.9	92	1.6
	3.3	29	1.2				
3.6	24	1.2					

### Footing Size:

88 x 88, 112 x 112 & 135 x 135 – 900 deep x 450 diameter } 2 / M12 Bolts - Verandah beam  
 180 x 180 – 1200 deep x 450 diameter } to post connection

1 kN = 20 Bu's. Linear interpolation between the bracing values given is permitted for intermediate heights

Note: Bracing units have been determined from the lateral load required to give a maximum deflection at the top of the post of  $H/24$ .

These span tables apply only to Prolam products