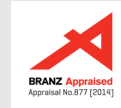


# ClearVue Roofing Span Tables System

New Zealand's only transparent roofing system with a BRANZ Appraisal.



**Table 1: Maximum Allowable Spans - Rafter Configurations**

Rafter Type	Acrylic Thickness (mm)	Max Rafter Spacing (mm)	Maximum Span (m) Wind Zone from NZS 3604:2011				
			Extra High	Very High	High	Medium	Low
Aluminium Span Bar	6.0	600	4.5	4.9	5.6	6.0	6.0
Aluminium Span Bar	8.0	750	4.0	4.4	5.0	5.4	5.4
90 x 45 Timber MSG 8	6.0	600	1.9	2.1	2.4	2.6	2.6
90 x 45 Timber MSG 8	8.0	750	1.7	1.9	2.1	2.3	2.3
140 x 45 Timber MSG 8	6.0	600	3.0	3.3	3.7	4.0	4.0
140 x 45 Timber MSG 8	8.0	750	2.6	2.9	3.3	3.6	3.6
190 x 45 Timber MSG 8	6.0	600	4.0	4.4	5.0	5.4	5.4
190 x 45 Timber MSG 8	8.0	750	3.6	3.9	4.5	4.8	4.8
240 x 45 Timber MSG 8	6.0	600	5.1	5.6	6.3	6.8	6.8
240 x 45 Timber MSG 8	8.0	750	4.5	5.0	5.7	6.1	6.1

**Table 2: Maximum Allowable Spans: Rafter and Purlin Configurations with 6mm ClearVue Sheet**

Rafter Type	Max Rafter Spacing (mm)	Maximum Rafter Span and Purlin Spacing (m) Wind Zone from NZS 3604:2011					
			Extra High	Very High	High	Medium	Low
140 x 45 Timber MSG 8	600	Max Rafter Span (m)	3.0	3.3	3.7	4.0	4.0
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4
190 x 45 Timber MSG 8	600	Max Rafter Span (m)	4.0	4.4	5.0	5.4	5.4
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4
240 x 45 Timber MSG 8	600	Max Rafter Span (m)	5.1	5.6	6.3	6.8	6.8
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4
140 x 45 Timber MSG 8	750	Max Rafter Span (m)	2.6	2.9	3.3	3.6	3.6
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4
190 x 45 Timber MSG 8	750	Max Rafter Span (m)	3.6	3.9	4.5	4.8	4.8
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4
240 x 45 Timber MSG 8	750	Max Rafter Span (m)	4.5	5.0	5.7	6.1	6.1
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4
140 x 45 Timber MSG 8	900	Max Rafter Span (m)	2.4	2.7	3.0	3.3	3.3
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4
190 x 45 Timber MSG 8	900	Max Rafter Span (m)	3.3	3.6	4.1	4.4	4.4
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4
240 x 45 Timber MSG 8	900	Max Rafter Span (m)	4.1	4.6	5.2	5.6	5.6
		Max Purlin Spacing (m)	1.0	1.2	1.3	1.4	1.4

**Table 3: Maximum Allowable Spans: Rafter and Purlin Configurations with 8 mm ClearVue Sheet**

Rafter Type	Max Rafter Spacing (mm)	Maximum Rafter Span and Purlin Spacing (m) Wind Zone from NZS 3604:2011					
			Extra High	Very High	High	Medium	Low
140 x 45 Timber MSG 8	600	Max Rafter Span (m)	3.0	3.3	3.7	4.0	4.0
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4
190 x 45 Timber MSG 8	600	Max Rafter Span (m)	4.0	4.4	5.0	5.4	5.4
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4
240 x 45 Timber MSG 8	600	Max Rafter Span (m)	5.1	5.6	6.3	6.8	6.8
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4
140 x 45 Timber MSG 8	750	Max Rafter Span (m)	2.6	2.9	3.3	3.6	3.6
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4
190 x 45 Timber MSG 8	750	Max Rafter Span (m)	3.6	3.9	4.5	4.8	4.8
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4
240 x 45 Timber MSG 8	750	Max Rafter Span (m)	4.5	5.0	5.7	6.1	6.1
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4
140 x 45 Timber MSG 8	900	Max Rafter Span (m)	2.4	2.7	3.0	3.3	3.3
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4
190 x 45 Timber MSG 8	900	Max Rafter Span (m)	3.3	3.6	4.1	4.4	4.4
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4
240 x 45 Timber MSG 8	900	Max Rafter Span (m)	4.1	4.6	5.2	5.6	5.6
		Max Purlin Spacing (m)	0.8	1.0	1.3	1.4	1.4