



Straight, no twists, no warps and no shrinkage

Coloured Red for easy identification

Strong and Light Laminated Veneer Lumber

Sizes 100 x 45, 63 & 75

Lengths 3.0 - 12.0m

(please check availability on lengths longer than 9.0m)

Arised Edges for increased safety

Glue-line H2S treatment as per AS/NZS 1604.4

H2S Treated LVL Bearers and Joists

Red Alert

Termites see RED when they meet SmartGuard termite resistant LVL



**Now with
ARISED
edges**

Available from

Tilling

www.tilling.com.au

1800 33 77 03

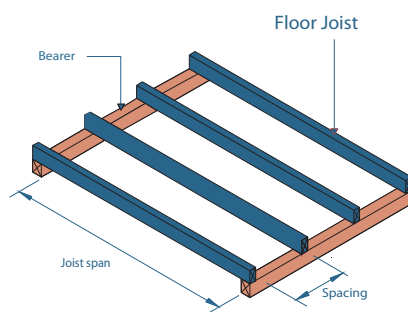


Red Alert Floor Joist Supporting Floor Loads Only

Example:

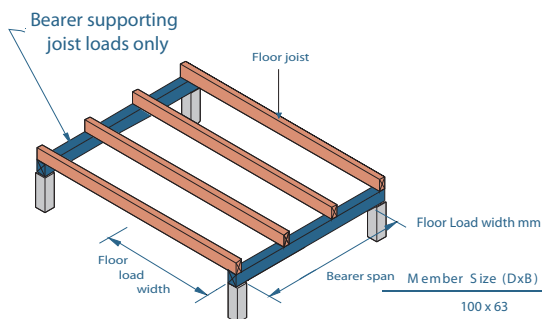
Domestic floor loads
Single span
Joist spacing = 450 mm
Joist span = 1700 mm

Enter Single Span table at 450 mm in joist spacing column, read down to a span equal to or greater than 1700 mm



SmartFrame Red Alert 100 x 45

Joist Spacing	300		450		600		300		450		600	
	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H
Member Size (DxB) mm	Maximum Single span (mm)						Maximum Continuous span (mm)					
100 x 45	2100	800	1800	500	1700	600	2700	800	2100	700	1900	600



Red Alert Floor Bearers Supporting Joist Loads Only

Example:

Domestic floor loads
Single span = 1600
Floor load width = 1750 mm

Enter Single Span table at 1800 mm in floor load width column, read down to a span equal to or greater than 1600 mm

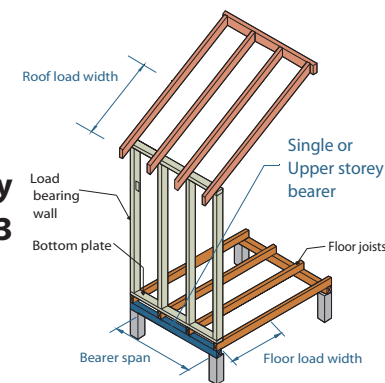
SmartFrame Red Alert 100 x 63

Member Size (DxB) mm	1200		1800		2400		3600		4800		6000	
	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H
Maximum Allowable SINGLE span mm												
100 x 63	1800	500	1600	400	1500	450	1200	300	1100	300	1000	300
100 x 75 *	2000	600	1700	500	1500	400	1300	300	1200	300	1100	300
Maximum Allowable CONTINUOUS span mm												
100 x 63	2300	550	2000	500	1800	4500	1600	400	1400	3500	1200	350
100 x 75 *	2400	600	2100	500	1900	500	1700	400	1500	400	1300	350

Red Alert Floor Bearers Supporting Roof via Single or Upper Storey Load Bearing Walls - Wind Classification: N1 - N3

Floor Load width mm		900				1200				1500			
Roof Load width mm		1500	3000	5000	1500	3000	5000	1500	3000	5000	1500	3000	5000
Member Size (DxB) mm	Roof Mass kg/m ²	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H
		Maximum Allowable SINGLE span mm											
100 x 63	40	1500	400	1400	400	1300	300	1500	400	1400	400	1200	300
	90	1400	400	1200	300	1000	300	1300	300	1200	300	1100	300
100 x 75 *	40	1600	400	1500	400	1300	300	1500	400	1400	400	1300	300
	90	1400	400	1200	300	1100	300	1400	400	1200	300	1100	300
100 x 63		Maximum Allowable CONTINUOUS span mm											
	40	2100	600	1900	500	1700	500	2000	600	1900	500	1700	500
100 x 75 *	90	1900	500	1600	400	1400	400	1800	500	1600	400	1400	400
	40	2200	650	2000	600	1800	500	2100	600	1900	500	1700	500
100 x 75 *	90	2000	600	1700	500	1500	400	1900	500	1700	500	1500	400

* Available in NSW ONLY



Example:

Sheet roof - 40 kg/m²
Roof load width = 1450 mm
Bearer span = 1500 mm
Floor load width = 1500 mm

Enter Single Span table at 1500 mm in floor load width column, 1500 roof load width column, read down to a span equal to or greater than 1500 mm in the 40 kg/m² row.

SmartFrame Red Alert 100 x 75

It is recommended that floor sheets be glued to Red Alert with either Fuller Max Bond Pro or Max Bond Fast Grip

Technical Support 1300 668 690