

Edition 1
2008



RED ALERT

H2S Treated LVL Bearers & Joists



Termites see RED when they meet SmartGuard™ termite resistant LVL

- Straight and true - no twist - no warps - no shrinkage
- Coloured red for easy identification
- Strong and light laminated veneer lumber
- Sizes 100 x 45 & 100 x 63
- Lengths 3.0 - 9.6m (up to 13.2m on request)
- Glue-line H2S treatment as per AS/NZS 1604.4

Suitable for use South of the Tropic of Capricorn only

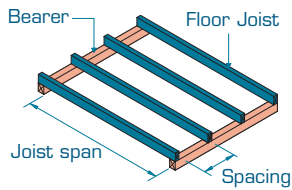
It is recommended that floor sheets be glued to Red Alert with either Fuller Max Bond Pro or Max Bond FastGrip.

SMARTFRAME[®]
SMART ENGINEERED SOLUTIONS

DIVISION OF TILLING TIMBER

RED ALERT LVL 10 Bearers & Joists

RED ALERT FLOOR JOISTS SUPPORTING FLOOR LOADS ONLY

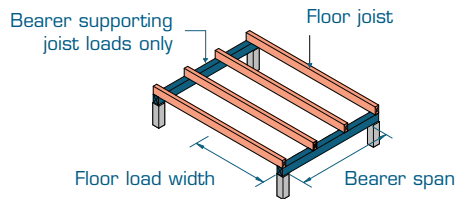


Notes:

1. Table is based upon a floor DL or 40 kg/m², floor LL of 1.5 KPa and a floor Point LL of 1.8 kN
2. Minimum backspan = 200% of overhang
3. Maximum overhang = 30% of backspan
4. End bearing lengths = 35 mm at end supports and 70 mm at internal supports for continuous members
5. Flooring to be 19 mm particleboard, ply or tongue and groove.

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)											
100 x 45	2100	800	1800	500	1700	600	2700	800	2100	700	1900	600
	Maximum Continuous Span (mm)											

RED ALERT FLOOR BEARERS SUPPORTING JOIST LOADS ONLY

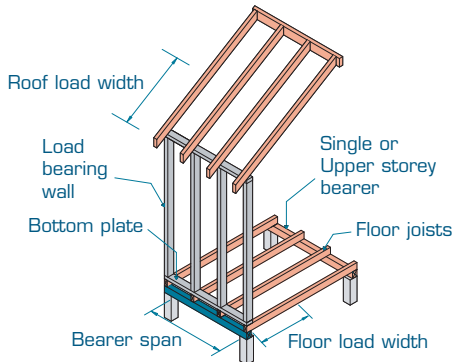


Notes:

1. Table is based upon a floor DL or 30 kg/m², floor LL of 1.5 KPa and a floor Point LL of 1.8 kN
2. Minimum backspan = 200% of overhang
3. Maximum overhang = 30% of backspan
4. End bearing lengths = 50 mm at end supports and 100 mm at internal supports for continuous members.

Floor Load Width 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
Member Size (DxB) mm	Maximum Allowable SINGLE Span (mm)											
100 x 63	1800	500	1600	400	1500	450	1200	300	1100	300	1000	300
	Maximum Allowable CONTINUOUS Span (mm)											
100 x 63	2300	550	2000	500	1800	450	1600	400	1400	350	1200	350

RED ALERT FLOOR BEARERS SUPPORTING ROOF VIA SINGLE OR UPPER STOREY LOAD BEARING WALLS - Wind Classification: N1 - N3



Notes:

1. NS = Not Suitable
2. Table is based upon a floor DL or 40 kg/m², wall mass of 15 kg/m², floor LL of 1.5 kPa and a floor Point LL of 1.8 kN
3. Minimum backspan = 200% of overhang
4. Maximum overhang = 30% of backspan
End bearing lengths = 50 mm at end supports and 100 mm at internal supports for continuous members.

Floor Load Width mm	900				1200				1500			
	1500		3000		5000		1500		3000		5000	
Roof Load Width mm	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H
Member Size (DxB) mm	Maximum Allowable SINGLE Span (mm)											
100 x 63	1500	400	1400	400	1300	300	1500	400	1400	400	1200	300
	1400	400	1200	300	1000	300	1300	300	1100	300	1000	300
	Maximum Allowable CONTINUOUS Span (mm)											
100 x 63	2100	600	1900	500	1700	500	2000	600	1900	500	1700	500
	1900	500	1600	400	1400	400	1800	500	1600	400	1400	400



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