

NeXTimber[®]
by Timberlink

IT'S WHAT BETTER TOMORROWS ARE BUILT ON

NeXTimber[®] Glue Laminated Timber





NeXTimber: It's what better tomorrows are built on.

NeXTimber® by Timberlink will manufacture Australian made Engineered Wood Products (EWP) and provide mass timber building solutions using Glue Laminated Timber (GLT) members.

Made from certified Australian grown plantation Radiata Pine. NeXTimber GLT will be produced at a purpose-built manufacturing plant being constructed adjacent to Timberlink's existing manufacturing facility in Tarpeena, South Australia.

Production of the NeXTimber range is scheduled to begin in 2023.

From Seed to Structure

NeXTimber is backed by a vertically integrated business model that goes right back to the plantation securing consistent reliable supply.

NeXTimber feedstock will be sourced from the co-located Timberlink mill with dual certified sustainability credentials.

Timberlink Australia holds an FSC® chain of custody and controlled wood certificate covering our Australian mills and distribution centres for the production and distribution of sawn timber, woodchips, and all by-products including reject logs, sawdust and charcoal (FSC® C117015). Timberlink products are made of FSC® certified and other controlled material. By choosing Timberlink Australia products, you are supporting responsible management of forests.

Timberlink also holds Responsible Wood Chain of Custody certification at both Australian sites for solid wood products and by-products (Including woodchip) covering both our Australian mills, Licence number 100872.



Scope of Document

This document has been prepared to give guidance on the use, application, handling and technical properties of NeXTimber GL13 Glue Laminated Timber products.

Information in this guide is current as at date of publishing, and is of general nature only and has not been prepared with your specific project needs in mind. It contains some suggested considerations when using NeXTimber GLT, but is not advice. It is the responsibility of the user to ensure that the use of this guide and NeXTimber products is appropriate to the relevant application and exercise their own professional judgment in doing so.

Referenced Grading and Manufacturing Standards

- AS/NZS 4063:1992 – Timber-stress-graded in-grade strength and stiffness evaluation
- AS/NZS 1328.1:1998 – Performance requirements and minimum production requirements
- AS 5068:2006 – Finger joints in structural products – production requirements
- AS 1720.1 – 2010 – Timber structures

Technical Information

Typical Structural Applications

- Lintels
- Ridge Beams
- Verandah Beams
- Roof Beams
- Floor Joists
- Architectural Features

Appearance

NeXTimber GLT comes with a planed finish and arrised edges. As defined in AS 1328.1, this finish is generally acceptable for use with surface finishes where a machined planed finish is visually acceptable. Occasional skips in the surface as well as minor blemishes and voids may be present in finished products.

Product Use and Limitations

H3 treated NeXTimber GLT

H3 treated NeXTimber GLT may be used in external, above-ground applications where special consideration is given to level of weather and ground clearance.

H3 treated NeXTimber GLT should not to be used for in-ground applications.

Untreated NeXTimber GLT

Untreated NeXTimber GLT should not be used in external – above OR in ground applications. Untreated timber should only be used in internal areas where there is adequate protection and ventilation from the elements.

Engineering Design

Engineering design and certification of NeXTimber GLT products for structural applications must be carried out by a qualified structural engineer.

NeXTimber GLT Technical Specifications

Grade	Modulus of Elasticity (MPa)	Modulus of Rigidity (MPa)	Bending Strength (f _j MPa)	Tensile Strength parallel to grain (f _t , MPa)	Shear Strength in beams/ members (f _s , MPa)	Compressive Strength parallel to grain (f _c , MPa)
GL13	13 300	900	33	16	4.2	26

Wood Species	Australian grown plantation Radiata Pine
Density	480-560 kg/m ³
Strength Group	SD6
Joint Group	JD5
Adhesive- Finger Joints	Melamine Formaldehyde
Adhesive- Face	Melamine Formaldehyde
Lamella Thickness	42mm
Beam/ member widths	65, 85, 115 and 135mm
Beam/ member lengths	2.4m to 12m in 300mm increments*
Feedstock Preservative Treatments	Untreated OR Preservative treated to Hazard Class 3 in accordance with AS/NZS 140.1 (external above ground only)

*Stocked range size varies by state. Contact your Account Manager or further details.

NeXTimber GLT Properties in accordance with AS 1720.1 Table 6

Technical Specifications continued

Standard Sizes

NeXTimber have a range of standard size GLT as well as made to order sizing. A range of standard sizes will be stocked and ready to dispatch to selected states from our distribution centres.

Please contact your Account Manager or our Customer Service team on 1800 088 135 for information on delivery to your state.

65	85	115	135
126 x 65	126 x 85	126 x 115	126 x 135
168 x 65	168 x 85	168 x 115	168 x 135
210 x 65	210 x 85	210 x 115	210 x 135
252 x 65	252 x 85	252 x 115	252 x 135
294 x 65	294 x 85	294 x 115	294 x 135
336 x 65	336 x 85	336 x 115	336 x 135
378 x 65	378 x 85	378 x 115	378 x 135
420 x 65	420 x 85	420 x 115	420 x 135
462 x 65	462 x 85	462 x 115	462 x 135
504 x 65	504 x 85	504 x 115	504 x 135
546 x 65	546 x 85	546 x 115	546 x 135
588 x 65	588 x 85	588 x 115	588 x 135
630 x 65	630 x 85	630 x 115	630 x 135

NeXTimber Designation

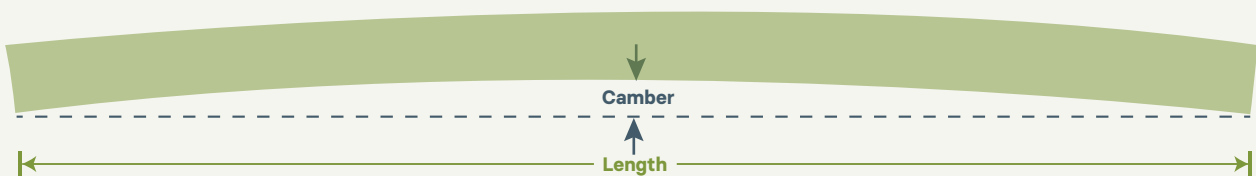
NX GL13C – H3

NX	Manufacturer - NeXTimber® by Timberlink
GL13	Timber Grade in accordance with AS 1328.2
C	C = Cambered, S = Straight
H3	H3 = Treatment, UT = Untreated

Cambered Profiles

NeXTimber GLT beams can be supplied either straight or with an Australian industry standard 600m radius to compensate for initial deflection and are designated with 'C' following the grade as per the above designation table. NeXTimber cambered beams come labelled, indicating the top / outer radius of the camber. Unless specifically instructed, the beam should not be installed with the camber facing downwards.

Figure 1: Cambered Beam Diagram



Cambered Profiles Dimensions

Length (m)	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Camber (mm)	1.9	2.6	3.3	4.2	5.2	6.3	7.5	8.8	10.2	11.7
Length (m)	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5
Camber (mm)	13.3	15.1	16.9	18.8	20.8	23.0	25.2	27.6	30.0	32.6

Handling

NeXTimber GLT is manufactured from certified Australian grown plantation Radiata Pine. Pine is susceptible to damage and care should be taken as to not damage the product. When handling, use soft slings with corner protection or lift by hand only (if practical and safe to do so).

Do not:

- X** drag
- X** dump or;
- X** lift with chains, braided cables or rigging that may dent or damage the product.

Onsite Storage

NeXTimber GLT should be kept dry and protected from direct exposure to the weather until it is ready to use. Store indoors or under fixed cover with good ventilation. If this is not possible, cover with loose tarpaulin or plastic covering. The temporary covering should prevent moisture ingress – but also maintain good air circulation to minimise the chances of the timber sweating and allowing it to breathe.

NeXTimber GLT members should be placed only on hard, flat and level, well draining surfaces, elevated above the ground. Do not allow water to pond in, on or around stacked materials.

- Do not place directly onto concrete or moist surfaces
- Elevate packs at least 300mm above ground level using timber bearers that support the full width of the pack
- Keep NeXTimber GLT supported on timber bearers at no more than 2m centres. Ensure that the bearers are aligned vertically throughout the pack

NeXTimber GLT members are supplied wrapped. Joins in wrapping should be orientated so that any sealed edges of packaging face downwards. Once received on site, the underside of the packaging should be cut by the customer to allow any moisture to escape should it accumulate inside the packaging.

Figure 2: NeXTimber GLT should be kept dry and protected from direct exposure to the weather. Where possible, store indoors or under fixed cover with good ventilation.

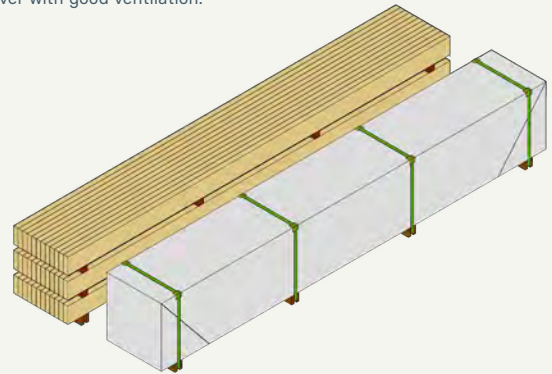


Figure 3: Elevate packs at least 300mm above ground level using timber bearers that support the full width of the pack

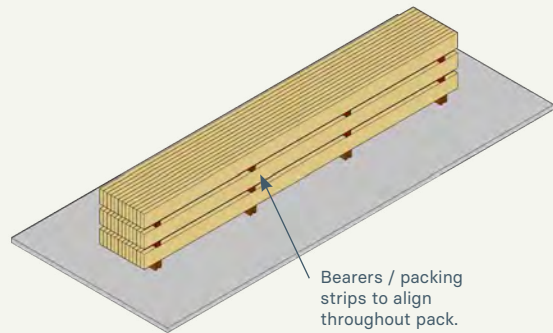


Figure 4: If storage indoors or under fixed cover with good ventilation is not possible, cover with loose tarpaulin or plastic covering

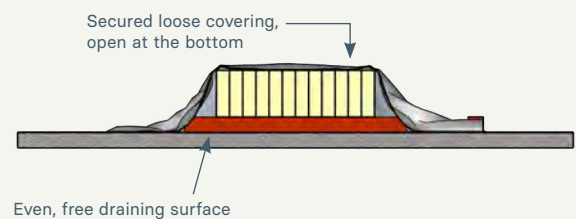
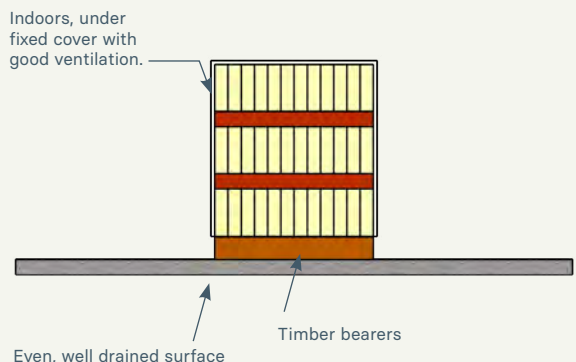


Figure 5: Recommended storage of NeXTimber GLT



Span Tables

The application of the reported spans to site specific situations remains the responsibility of the design engineer. The following span tables provide indicative allowable spans for the following house structural members:

- Single storey or upper storey lintels
- Ridge Beams
- Veranda Beams

Wind

Nominated spans within the tables are suitable for N1-N4 wind regions as per AS 4055 only. Uses outside this region will require further design consideration.

Span Table Design Criteria

The Beams/ members within the span tables have been assessed based on the design criteria and combinations outlined in AS1720.3 and the following deflection criteria.

Deflection Criteria

Beams/ members used in Service class 3 (as defined in AS 1328.1) applications are beyond the scope of these span tables & specialist design advice from a structural engineer is required for appropriate sizing.

	Long Term	Short Term	
Element	j2 x Dead Load	Live Load	Service Wind
Lintel (Roof load only)	Lesser of Span / 300 & 9mm	Lesser of Span / 250 & 9mm	Lesser of Span / 250 & 9mm
Ridge Beams	Lesser of Span / 300 & 20mm	Span / 250	Span / 150
Verandah Beams	Lesser of Span / 400 & 10mm	Lesser of Span / 250 & 12mm	Span / 200

Assumptions and Notes

Beam/ member capacity and analysis in accordance with AS1720.1. Long term duration load factor (j2) has been taken as 2. Capacity factors used within the tables have been prepared using a value of 905, suitable for residential applications where the supporting area is less than 25m². Refer to AS 1720.1 Table 2.1 for other values for different structural applications which will require further structural evaluation.

Superimposed dead loads of 40kg/m² and 90kg/m² are indicative weights of conventionally sheeted and tile roofs respectively. These dead load allowances are to be assessed against the dead weight of all components of the roof other than the self-weight of the lintel/beam in question, including but not limited to the supported rafters, trusses, battens, cladding, insulation, services etc. No additional dead load allowance was made on top of the 40 & 90kg/m² stated.

It is assumed that lateral restraint is provided by supported secondary beam/ members at the indicated spacings. Lateral loads have therefore not been assessed. It is the responsibility of the design engineer to consider the presence or lack thereof, and the impact of lateral loading/restraint.

Roof Beam - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x65	40	2700	2700	2000	1900	1700	1300	1400		1300	
	90	2200	2200	1800	1600	1500	1000	1300		1100	
168x65	40	3500	3500	2800	2700	2200	2200	1900	1700	1700	1400
	90	2900	2900	2400	2400	2000	1900	1700	1400	1500	1100
210x65	40	4300	4200	3600	3400	2900	2800	2500	2400	2100	2100
	90	3600	3600	3000	3000	2600	2500	2200	2100	1900	1800
252x65	40	4900	4900	4300	4100	3500	3400	3000	2900	2600	2600
	90	4300	4200	3600	3500	3100	3000	2700	2600	2400	2300
294x65	40	5600	5500	5000	4900	4100	3900	3500	3400	3100	3000
	90	4900	4800	4200	4100	3700	3500	3200	3100	2800	2700
336x65	40	6100	6100	5600	5400	4700	4300	4000	3700	3600	3300
	90	5500	5400	4700	4600	4200	3900	3600	3400	3300	3000
378x65	40	6500	6500	6100	6000	5200	4800	4500	4000	4000	3600
	90	6000	6000	5200	5100	4700	4200	4000	3600	3600	3300
420x65	40	6900	6900	6500	6300	5600	5100	4800	4300	4300	3800
	90	6400	6400	5700	5600	5000	4500	4300	3900	3800	3400
462x65	40	7300	7300	6900	6600	5900	5300	5100	4500	4500	4000
	90	6800	6800	6200	5800	5300	4800	4600	4000	4100	3600
504x65	40	7700	7700	7300	6700	6200	5400	5300	4600	4800	4100
	90	7200	7200	6500	6100	5600	4900	4800	4100	4300	3700
546x65	40	8000	8000	7600	6800	6400	5500	5500	4600	4900	4100
	90	7500	7500	6900	6100	5700	4900	5000	4200	4400	3700
588x65	40	8400	8400	8000	6800	6500	5400	5600	4600	5000	4100
	90	7900	7900	7200	6100	5900	4900	5100	4100	4500	3700
630x65	40	8700	8700	8000	6700	6600	5400	5700	4500	5100	4100
	90	8200	8200	7300	6100	5900	4900	5100	4100	4600	3700

Not all sizes of NeXTimber GL13 are stocked in each state. Please check with your Account Manager for availability.

Roof Beam - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
		126x85	40	3000	3000	2400	2300	1900	1700	1600	1300
	90	2400	2400	2000	1900	1700	1400	1500	1000	1300	
168x85	40	3800	3800	3300	3100	2600	2500	2200	2100	2000	1800
	90	3200	3200	2600	2600	2300	2200	2000	1800	1800	1500
210x85	40	4600	4500	4000	3900	3300	3200	2800	2800	2500	2400
	90	3900	3900	3300	3200	2900	2900	2600	2400	2200	2200
252x85	40	5300	5200	4700	4700	4000	3800	3500	3300	3100	3000
	90	4600	4500	3900	3800	3400	3400	3100	3000	2700	2700
294x85	40	5900	5800	5400	5300	4700	4500	4000	3900	3600	3500
	90	5300	5200	4500	4400	4000	4000	3600	3500	3300	3100
336x85	40	6400	6400	6000	5900	5400	5300	4700	4400	4200	4000
	90	5900	5800	5100	5000	4600	4500	4200	4000	3700	3600
378x85	40	6800	6800	6400	6400	6100	6000	5300	5100	4700	4500
	90	6300	6300	5600	5600	5100	5000	4700	4500	4200	4000
420x85	40	7300	7200	6900	6800	6500	6500	5800	5700	5200	5100
	90	6800	6700	6100	6100	5600	5500	5200	5100	4700	4500
462x85	40	7700	7600	7300	7200	6900	6900	6400	6200	5700	5400
	90	7200	7200	6500	6500	6100	6100	5700	5500	5200	4900
504x85	40	8100	8000	7700	7600	7300	7300	7000	6500	6200	5800
	90	7600	7500	6900	6900	6500	6400	6100	5800	5600	5200
546x85	40	8400	8400	8000	8000	7700	7700	7400	6800	6600	6100
	90	7900	7900	7300	7300	6800	6800	6500	6200	5900	5400
588x85	40	8800	8800	8400	8400	8100	8000	7700	7100	6900	6400
	90	8300	8300	7700	7600	7200	7200	6800	6400	6200	5700
630x85	40	9100	9100	8700	8700	8400	8400	8000	7300	7200	6600
	90	8600	8600	8000	8000	7500	7500	7200	6600	6500	5800

Not all sizes of NeXTimber GL13 are stocked in each state. Please check with your Account Manager for availability.

Roof Beam - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x115	40	3200	3200	2700	2700	2200	2200	1900	1700	1700	1400
	90	2700	2700	2200	2100	1900	1900	1700	1400	1500	1100
168x115	40	4100	4100	3600	3600	3100	3000	2600	2600	2300	2200
	90	3500	3500	2900	2900	2500	2500	2300	2300	2100	2000
210x115	40	4900	4900	4400	4300	3900	3700	3300	3200	3000	2900
	90	4300	4200	3600	3500	3200	3200	2900	2900	2700	2600
252x115	40	5700	5600	5100	5000	4700	4500	4000	3900	3600	3500
	90	5000	4900	4300	4200	3800	3800	3500	3400	3200	3100
294x115	40	6200	6200	5800	5700	5400	5300	4700	4500	4200	4000
	90	5700	5600	4900	4800	4400	4400	4000	4000	3800	3700
336x115	40	6700	6700	6300	6300	6000	6000	5400	5300	4900	4600
	90	6300	6200	5500	5500	5000	4900	4600	4600	4300	4200
378x115	40	7200	7200	6800	6800	6500	6500	6100	6100	5500	5300
	90	6700	6700	6100	6100	5600	5500	5200	5100	4900	4800
420x115	40	7700	7600	7300	7200	6900	6900	6700	6600	6100	6000
	90	7200	7100	6500	6500	6100	6100	5700	5600	5400	5300
462x115	40	8100	8000	7700	7700	7400	7300	7100	7100	6700	6600
	90	7600	7600	7000	6900	6500	6500	6200	6100	5900	5800
504x115	40	8500	8500	8100	8100	7800	7700	7500	7500	7300	7200
	90	8000	8000	7400	7300	6900	6900	6600	6500	6300	6200
546x115	40	8900	8900	8500	8500	8200	8100	7900	7900	7700	7600
	90	8400	8400	7800	7700	7300	7300	6900	6900	6600	6600
588x115	40	9200	9200	8900	8900	8500	8500	8300	8200	8000	8000
	90	8800	8800	8100	8100	7700	7600	7300	7300	7000	7000
630x115	40	9600	9600	9200	9200	8900	8900	8600	8600	8400	8400
	90	9100	9100	8500	8500	8000	8000	7600	7600	7300	7300

Not all sizes of NeXTimber GL13 are stocked in each state. Please check with your Account Manager for availability.

Roof Beam - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x135	40	3400	3400	2900	2900	2500	2300	2100	2000	1900	1600
	90	2800	2800	2300	2200	2000	2000	1800	1600	1700	1300
168x135	40	4300	4200	3800	3700	3300	3200	2800	2800	2500	2400
	90	3700	3600	3000	3000	2700	2700	2400	2400	2200	2200
210x135	40	5100	5000	4600	4500	4200	4000	3600	3500	3200	3100
	90	4500	4400	3800	3700	3300	3300	3100	3000	2800	2800
252x135	40	5900	5800	5300	5300	4900	4900	4400	4200	3900	3800
	90	5200	5100	4500	4400	4000	4000	3700	3600	3400	3400
294x135	40	6400	6400	6000	6000	5600	5500	5100	5000	4600	4400
	90	5900	5800	5200	5100	4600	4600	4300	4200	4000	3900
336x135	40	6900	6900	6500	6500	6200	6200	5900	5700	5300	5100
	90	6400	6400	5800	5700	5300	5200	4900	4800	4600	4500
378x135	40	7400	7400	7000	7000	6700	6700	6400	6400	5900	5800
	90	6900	6900	6300	6300	5900	5800	5400	5300	5100	5000
420x135	40	7900	7800	7500	7500	7200	7100	6900	6900	6600	6500
	90	7400	7400	6800	6700	6300	6300	6000	6000	5600	5600
462x135	40	8300	8300	7900	7900	7600	7600	7300	7300	7100	7100
	90	7800	7800	7200	7200	6700	6700	6400	6400	6100	6100
504x135	40	8700	8700	8300	8300	8000	8000	7700	7700	7500	7500
	90	8200	8200	7600	7600	7200	7100	6800	6800	6500	6500
546x135	40	9100	9100	8700	8700	8400	8400	8100	8100	7900	7900
	90	8600	8600	8000	8000	7500	7500	7200	7100	6900	6800
588x135	40	9500	9500	9100	9100	8800	8800	8500	8500	8300	8300
	90	9000	9000	8400	8400	7900	7900	7600	7500	7200	7200
630x135	40	9800	9800	9500	9500	9200	9200	8900	8900	8700	8700
	90	9400	9400	8800	8800	8300	8300	7900	7900	7600	7600

Not all sizes of NeXTimber GL13 are stocked in each state. Please check with your Account Manager for availability.

Roof Lintel - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x65	40	2900	2900	2000	1900	1600	1300	1400		1300	
	90	2300	2200	1800	1600	1500	1000	1300		1100	
168x65	40	3600	3600	2800	2700	2200	2200	1900	1700	1700	1400
	90	3000	2900	2400	2400	2000	1900	1700	1400	1500	1100
210x65	40	4200	4200	3500	3400	2800	2800	2500	2300	2100	2100
	90	3500	3500	3000	2900	2600	2500	2200	2100	1900	1700
252x65	40	4900	4800	4100	4100	3500	3300	3000	2900	2600	2600
	90	4000	4000	3400	3400	3100	3000	2700	2600	2400	2300
294x65	40	5400	5400	4600	4600	4100	3900	3500	3400	3100	3000
	90	4500	4500	3800	3800	3400	3400	3200	3100	2800	2700
336x65	40	6000	5900	5100	5100	4700	4300	4000	3700	3600	3300
	90	5000	4900	4200	4200	3800	3800	3500	3400	3200	3000
378x65	40	6500	6500	5600	5500	5100	4600	4500	4000	4000	3600
	90	5400	5400	4600	4600	4200	4100	3900	3600	3600	3200
420x65	40	7000	7000	6000	6000	5500	5000	4800	4300	4300	3800
	90	5900	5800	5000	4900	4500	4500	4200	3800	3800	3400
462x65	40	7500	7400	6500	6400	5900	5300	5100	4400	4500	4000
	90	6300	6300	5400	5300	4900	4600	4500	4000	4100	3600
504x65	40	7900	7900	6900	6700	6100	5400	5300	4500	4700	4100
	90	6700	6700	5700	5600	5200	4900	4800	4100	4300	3700
546x65	40	8400	8400	7300	6800	6300	5400	5500	4600	4900	4100
	90	7100	7100	6100	6000	5500	4900	5000	4100	4400	3700
588x65	40	8800	8800	7700	6700	6500	5400	5600	4600	5000	4100
	90	7500	7500	6400	6100	5800	4900	5100	4100	4500	3700
630x65	40	9300	9300	8000	6700	6500	5400	5600	4500	5000	4000
	90	7900	7800	6700	6000	5900	4800	5100	4100	4600	3700

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Roof Lintel - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x85	40	3100	3100	2400	2300	1900	1700	1600	1200	1500	1000
	90	2500	2400	2000	1900	1700	1400	1500	1000	1300	
168x85	40	3800	3800	3200	3100	2600	2500	2200	2100	2000	1800
	90	3200	3100	2600	2600	2300	2200	2000	1800	1800	1500
210x85	40	4500	4500	3800	3800	3300	3200	2800	2700	2500	2400
	90	3700	3700	3200	3100	2800	2800	2500	2400	2200	2200
252x85	40	5100	5100	4400	4400	4000	3800	3400	3300	3100	3000
	90	4300	4200	3600	3600	3300	3300	3100	3000	2700	2700
294x85	40	5700	5700	4900	4900	4500	4400	4000	3900	3600	3500
	90	4800	4700	4100	4000	3700	3700	3400	3400	3200	3100
336x85	40	6300	6300	5400	5400	5000	4900	4600	4400	4200	4000
	90	5300	5200	4500	4500	4100	4000	3800	3800	3600	3600
378x85	40	6800	6800	5900	5900	5400	5300	5100	5000	4700	4500
	90	5800	5700	4900	4900	4500	4400	4200	4100	3900	3900
420x85	40	7400	7300	6400	6400	5800	5800	5500	5400	5200	5100
	90	6200	6200	5300	5300	4800	4800	4500	4500	4300	4200
462x85	40	7900	7800	6900	6800	6300	6200	5900	5800	5600	5400
	90	6700	6600	5700	5600	5200	5100	4800	4800	4600	4500
504x85	40	8400	8400	7300	7300	6700	6600	6300	6200	5900	5700
	90	7100	7100	6100	6100	5500	5500	5200	5100	4900	4800
546x85	40	8800	8800	7700	7700	7100	7000	6600	6600	6300	6100
	90	7500	7500	6500	6400	5900	5800	5500	5400	5200	5100
588x85	40	9300	9300	8100	8100	7500	7400	7000	7000	6700	6300
	90	7900	7900	6800	6800	6200	6200	5800	5700	5500	5400
630x85	40	9700	9700	8500	8500	7800	7800	7400	7300	7000	6500
	90	8300	8300	7200	7100	6500	6500	6100	6100	5800	5700

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Roof Lintel - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x115	40	3300	3300	2800	2700	2200	2200	1900	1700	1700	1300
	90	2700	2700	2200	2200	1900	1900	1700	1400	1500	1100
168x115	40	4100	4000	3500	3500	3100	3000	2600	2600	2300	2200
	90	3400	3400	2900	2900	2600	2500	2300	2300	2100	2000
210x115	40	4800	4700	4100	4100	3700	3700	3300	3200	3000	2900
	90	4000	4000	3400	3400	3100	3100	2800	2800	2600	2600
252x115	40	5500	5400	4700	4700	4300	4300	4000	3900	3600	3400
	90	4600	4500	3900	3900	3500	3500	3300	3300	3100	3100
294x115	40	6100	6100	5300	5200	4800	4800	4500	4500	4200	4000
	90	5100	5100	4400	4300	4000	3900	3700	3700	3500	3500
336x115	40	6700	6700	5800	5700	5300	5300	5000	4900	4700	4600
	90	5700	5600	4800	4800	4400	4300	4100	4100	3900	3800
378x115	40	7200	7200	6300	6300	5800	5700	5400	5400	5200	5100
	90	6200	6100	5300	5200	4800	4700	4500	4400	4200	4200
420x115	40	7800	7700	6800	6800	6300	6200	5900	5800	5600	5500
	90	6700	6600	5700	5600	5200	5100	4800	4800	4600	4500
462x115	40	8300	8300	7300	7300	6700	6700	6300	6300	6000	5900
	90	7100	7100	6100	6100	5600	5500	5200	5100	4900	4900
504x115	40	8800	8800	7800	7700	7100	7100	6700	6700	6400	6300
	90	7600	7500	6500	6500	5900	5900	5600	5500	5300	5200
546x115	40	9300	9300	8200	8200	7600	7500	7100	7100	6800	6700
	90	8000	8000	6900	6900	6300	6300	5900	5800	5600	5500
588x115	40	9700	9700	8600	8600	8000	7900	7500	7500	7100	7100
	90	8400	8400	7300	7300	6700	6600	6200	6200	5900	5800
630x115	40	10000	10000	9100	9100	8400	8400	7900	7800	7500	7500
	90	8900	8900	7700	7600	7000	7000	6600	6500	6200	6200

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Roof Lintel - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x135	40	3400	3400	2900	2900	2500	2300	2100	2000	1800	1600
	90	2800	2800	2300	2300	2000	2000	1800	1600	1700	1300
168x135	40	4200	4200	3600	3600	3300	3200	2800	2800	2500	2400
	90	3500	3500	3000	3000	2700	2700	2500	2400	2200	2200
210x135	40	5000	4900	4300	4200	3900	3900	3600	3500	3200	3100
	90	4200	4100	3500	3500	3200	3200	3000	3000	2800	2800
252x135	40	5600	5600	4900	4800	4500	4400	4200	4100	3900	3700
	90	4800	4700	4000	4000	3700	3600	3400	3400	3200	3200
294x135	40	6300	6200	5500	5400	5000	4900	4700	4600	4400	4400
	90	5300	5300	4600	4500	4100	4100	3800	3800	3600	3600
336x135	40	6900	6800	6000	6000	5500	5400	5200	5100	4900	4800
	90	5900	5800	5000	5000	4600	4500	4300	4200	4000	4000
378x135	40	7500	7400	6500	6500	6000	6000	5600	5600	5400	5300
	90	6400	6400	5500	5400	5000	4900	4700	4600	4400	4400
420x135	40	8000	8000	7000	7000	6500	6400	6100	6100	5800	5700
	90	6900	6800	5900	5800	5400	5300	5000	5000	4800	4700
462x135	40	8500	8500	7500	7500	6900	6900	6500	6500	6200	6200
	90	7400	7300	6300	6300	5800	5700	5400	5300	5100	5100
504x135	40	9000	9000	8000	8000	7400	7300	6900	6900	6600	6600
	90	7800	7800	6800	6700	6200	6100	5800	5700	5500	5400
546x135	40	9500	9500	8500	8500	7800	7800	7400	7300	7000	7000
	90	8300	8200	7200	7100	6500	6500	6100	6100	5800	5700
588x135	40	10000	10000	8900	8900	8200	8200	7800	7700	7400	7400
	90	8700	8700	7600	7500	6900	6900	6500	6400	6100	6100
630x135	40	10000	10000	9300	9300	8600	8600	8100	8100	7800	7700
	90	9100	9100	7900	7900	7300	7200	6800	6800	6500	6400

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Verandah Beam - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
		126x65	40	2500	2400	1700	1400	1400		1200	
	90	2200	2200	1600	1200	1300		1100			
168x65	40	3400	3300	2400	2300	1900	1700	1600	1200	1500	1000
	90	2900	2900	2200	2100	1700	1400	1500	1100	1300	
210x65	40	4100	4100	3000	2900	2400	2300	2000	2000	1800	1600
	90	3600	3600	2800	2700	2200	2100	1900	1700	1700	1300
252x65	40	4600	4600	3600	3500	3000	2900	2500	2400	2200	2200
	90	4100	4100	3400	3300	2700	2600	2300	2200	2000	1900
294x65	40	5100	5000	4300	4100	3500	3300	3000	2900	2600	2600
	90	4600	4500	3900	3800	3200	3100	2700	2700	2400	2300
336x65	40	5500	5400	4900	4500	4000	3700	3400	3200	3100	2800
	90	5000	4900	4400	4200	3700	3400	3200	3000	2800	2600
378x65	40	5900	5800	5400	5000	4400	4000	3800	3400	3400	3100
	90	5400	5300	4800	4500	4100	3700	3500	3200	3100	2800
420x65	40	6300	6200	5800	5300	4700	4200	4100	3600	3600	3300
	90	5800	5700	5100	4900	4400	3900	3800	3400	3400	3000
462x65	40	6600	6600	6200	5500	5000	4400	4300	3800	3800	3400
	90	6100	6100	5500	5100	4600	4100	4000	3500	3600	3100
504x65	40	7000	6900	6400	5700	5200	4500	4500	3900	4000	3500
	90	6500	6400	5800	5200	4900	4200	4200	3600	3700	3200
546x65	40	7300	7300	6600	5700	5400	4500	4700	3900	4200	3500
	90	6800	6800	6100	5300	5000	4200	4300	3600	3800	3200
588x65	40	7600	7600	6800	5700	5500	4500	4800	3900	4300	3500
	90	7100	7100	6300	5300	5100	4200	4400	3600	3900	3200
630x65	40	7900	7900	6800	5600	5600	4500	4800	3900	4300	3500
	90	7400	7400	6300	5200	5200	4200	4500	3600	4000	3200

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Verandah Beam - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x85	40	2900	2800	2000	1800	1600	1200	1400		1200	
	90	2400	2400	1800	1600	1500	1000	1300		1100	
168x85	40	3800	3700	2700	2700	2200	2100	1900	1600	1700	1300
	90	3200	3200	2500	2400	2000	1900	1700	1400	1500	1100
210x85	40	4300	4300	3500	3300	2800	2700	2400	2300	2100	2000
	90	3800	3800	3200	3100	2600	2500	2200	2100	1900	1800
252x85	40	4900	4800	4200	4000	3400	3300	2900	2800	2600	2500
	90	4300	4300	3800	3700	3200	3000	2700	2600	2400	2300
294x85	40	5300	5300	4900	4800	4000	3800	3400	3300	3100	3000
	90	4800	4800	4300	4200	3700	3500	3200	3100	2800	2700
336x85	40	5800	5700	5300	5300	4600	4400	3900	3800	3500	3400
	90	5300	5200	4700	4600	4300	4100	3600	3500	3300	3100
378x85	40	6200	6200	5800	5700	5200	5100	4500	4300	4000	3800
	90	5700	5600	5100	5000	4700	4600	4100	4000	3700	3500
420x85	40	6600	6500	6200	6100	5800	5600	5000	4800	4400	4200
	90	6100	6000	5500	5400	5000	5000	4600	4400	4100	3900
462x85	40	6900	6900	6500	6500	6200	6100	5500	5200	4900	4500
	90	6400	6400	5800	5800	5400	5300	5100	4800	4500	4200
504x85	40	7300	7300	6900	6900	6600	6400	5900	5500	5300	4900
	90	6800	6800	6200	6100	5700	5700	5400	5100	4900	4400
546x85	40	7600	7600	7200	7200	6900	6700	6300	5700	5600	5100
	90	7100	7100	6500	6500	6100	6000	5700	5300	5200	4600
588x85	40	7900	7900	7600	7500	7200	7000	6600	6100	5900	5300
	90	7500	7400	6800	6800	6400	6400	6000	5500	5400	4900
630x85	40	8300	8200	7900	7800	7600	7200	6800	6200	6100	5500
	90	7800	7800	7200	7100	6700	6700	6300	5700	5700	5100

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Verandah Beam - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
		126x115	40	3200	3200	2400	2300	1900	1700	1600	1200
	90	2700	2700	2100	2100	1700	1400	1500	1100	1300	
168x115	40	4000	4000	3200	3100	2600	2500	2200	2100	1900	1800
	90	3500	3500	2900	2900	2400	2300	2000	1900	1800	1500
210x115	40	4600	4600	4000	3900	3300	3200	2800	2700	2500	2400
	90	4100	4100	3600	3500	3100	2900	2600	2500	2300	2200
252x115	40	5100	5100	4700	4700	4000	3800	3400	3300	3100	2900
	90	4600	4600	4100	4000	3700	3500	3200	3100	2800	2700
294x115	40	5600	5600	5200	5200	4700	4500	4000	3900	3600	3400
	90	5100	5100	4600	4500	4200	4100	3700	3600	3300	3200
336x115	40	6100	6100	5700	5600	5400	5200	4600	4400	4100	3900
	90	5600	5500	5000	4900	4600	4600	4300	4100	3800	3700
378x115	40	6500	6500	6100	6100	5800	5700	5200	5100	4700	4400
	90	6000	6000	5400	5400	5000	5000	4700	4600	4300	4100
420x115	40	6900	6900	6500	6500	6200	6200	5800	5700	5200	5100
	90	6400	6400	5800	5800	5400	5300	5100	5000	4800	4600
462x115	40	7300	7300	6900	6900	6600	6600	6300	6300	5700	5600
	90	6800	6800	6200	6200	5800	5700	5500	5400	5200	5100
504x115	40	7700	7600	7300	7300	7000	6900	6700	6700	6200	6200
	90	7200	7200	6600	6500	6100	6100	5800	5700	5500	5500
546x115	40	8000	8000	7600	7600	7300	7300	7100	7000	6800	6700
	90	7600	7500	6900	6900	6500	6500	6100	6100	5900	5800
588x115	40	8400	8400	8000	8000	7700	7600	7400	7400	7200	7100
	90	7900	7900	7300	7200	6800	6800	6500	6400	6200	6200
630x115	40	8700	8700	8300	8300	8000	8000	7700	7700	7500	7500
	90	8200	8200	7600	7600	7100	7100	6800	6800	6500	6500

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Verandah Beam - GL13 Straight

Single Span

AS 4055 Wind Classification N1, N2, N3 & N4

Roof Load width (mm)		1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)		600	1200	600	1200	600	1200	600	1200	600	1200
Member Size D x B (mm)	Roof Mass (kg/m ²)	Maximum Recommended Span (mm)									
126x135	40	3400	3400	2600	2500	2000	2000	1800	1500	1600	1200
	90	2800	2800	2300	2200	1900	1700	1600	1200	1500	1000
168x135	40	4100	4100	3500	3400	2800	2700	2400	2300	2100	2100
	90	3600	3600	3000	3000	2600	2500	2200	2100	2000	1800
210x135	40	4700	4700	4300	4200	3600	3400	3100	3000	2700	2700
	90	4200	4200	3700	3700	3300	3200	2800	2800	2500	2400
252x135	40	5300	5200	4900	4800	4300	4100	3700	3600	3300	3200
	90	4800	4700	4200	4200	3900	3800	3400	3300	3100	3000
294x135	40	5800	5700	5400	5300	5100	4900	4400	4200	3900	3700
	90	5300	5200	4700	4700	4400	4300	4000	3900	3600	3500
336x135	40	6300	6200	5900	5800	5500	5500	5000	4900	4500	4300
	90	5800	5700	5200	5100	4800	4700	4500	4400	4200	4000
378x135	40	6700	6700	6300	6300	6000	6000	5700	5500	5100	4900
	90	6200	6200	5600	5500	5200	5100	4900	4800	4700	4500
420x135	40	7100	7100	6700	6700	6400	6400	6100	6100	5600	5500
	90	6600	6600	6000	6000	5600	5500	5300	5200	5000	5000
462x135	40	7500	7500	7100	7100	6800	6800	6500	6500	6200	6100
	90	7000	7000	6400	6400	6000	6000	5700	5600	5400	5300
504x135	40	7900	7800	7500	7500	7200	7200	6900	6900	6700	6700
	90	7400	7400	6800	6800	6400	6300	6000	6000	5800	5700
546x135	40	8200	8200	7900	7800	7600	7500	7300	7300	7100	7000
	90	7800	7800	7200	7100	6700	6700	6400	6300	6100	6100
588x135	40	8600	8600	8200	8200	7900	7900	7600	7600	7400	7400
	90	8100	8100	7500	7500	7100	7000	6700	6700	6400	6400
630x135	40	8900	8900	8600	8600	8200	8200	8000	7900	7700	7700
	90	8500	8500	7900	7800	7400	7400	7000	7000	6700	6700

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