

Glulam GL17c - Release 2 - March 2017

Product Manufacturer	<p>Warrnambool Timber Industries 1284 Raglan Parade Warrnambool Victoria 3280 Australia www.warrnambooltimberindustries.com.au</p> <p>Warrnambool Timber Industries (WTI) was established in 1988 and is a long standing member of the Glue Laminated Timber Association of Australia (GLTAA) www.gltaa.com.au</p>
Product Description	<p>Glue laminated timber is a structural timber product comprising a number of layers of dimensional timber stack bonded with durable, moisture resistant structural adhesive.</p> <p>Lumberworx only imports GL17c to meet requirements where higher loadings cannot be supported by local species like Pinus Radiata and Douglas Fir. The timber species is Pinus Elliotti (slash pine) and the 17c refers to E17 Modulus of Elasticity and the 'c' means the product is cambered.</p> <p>The common E value for timber in NZ is E8, with some E10 & E12 NZ Glulam available.</p> <p>The product is treated to H1.2 hazard class in accordance with NZS3640 (A5).</p>
Scope of Use	<p>GL17c can be used in buildings within the scope of NZS3604 in place of sawn timber as structural members such as floor joists, rafters, lintels, floor beams/bearers and roof beams anywhere within the building where H1.2 hazard class applies.</p>
Design	<p>Design can be performed by Nelson Pine Design (NPD) electronic design software. NPD has been independently certified for use in New Zealand by a CPEng (see Nelson Pine Industries website www.nelsonpine.co.nz)</p>
Limitations of Use	<p>GL17c cannot be used outside the scope of NZS3604 or in weather exposed situations.</p>
Installation & Handling	<p>Installation and handling shall be in accordance with NZS3604 and the Lumberworx Technical Guide for Structural Engineered Lumber (SEL). This can be downloaded from the Lumberworx web site www.lumberworx.co.nz</p>

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<p>Quality Assurance</p>	<p>The Lumberworx quality management system (QMS) is ISO 10005 compliant. The QMS requires Lumberworx to import only those engineered wood products that have relevant 3rd party international accreditation.</p> <p>WTI's QMS and Standard Operating Procedures are audited by GLTAA and product is subjected to tests by GLTAA.</p>
<p>New Zealand Building Code</p>	<p>WTI GL17c if installed in accordance with NZS3604 and the Lumberworx publication for Structural Engineered Lumber (SEL) will meet the following performance clauses of the New Zealand Building Code B1 (Structure) B1.3.1, B1.3.2, B1.3.3 (a, b, c, f, g, h & q).</p> <p>WTI GL17c will meet the requirements of Clause B2 of the New Zealand Building Code (Durability) when installed (also see H1.2 below).</p> <p>The requirements of Clause F2 – Hazardous Building Materials – will be met and there will be no health hazard to occupants.</p>
<p>Verification</p>	<p>WTI GL17c has been tested by GLTAA and WTI has been granted a certificate of conformance to apply the GLTAA logo confirming compliance with AS/NZS1328 (Glulam). This certification can be down loaded at www.lumberworx.co.nz</p>
<p>H1.2 Hazard Class</p>	<p>WTI GL17c is manufactured from materials pre-treated to H1.2 hazard class by approved operators in Australia to comply with NZS3640 (A5). Product is marked in accordance with clauses 5.1.3 & 5.1.4 NZS3640 (A5).</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. Product imported from Australia treated to H3 by LOSP treatment no longer meets B2/AS1 of the NZBC). 2. Pinus Elliotti is not referenced in NZS3602 but the durability class is confirmed by SCION as being the same as pinus radiata and requires the same preservative treatment as Pinus Radiata under NZS3602 (see www.lumberworx.co.nz) Reference NZS3602 C1101.2 and C101.2
<p>Product Support</p>	<p>Assistance is available from the Lumberworx technical team for installers (builders), designers (engineers and architects) and BCA's (and officials). Call free on 0508 IBEAMS (0508 423267) for assistance.</p>