

GLUE-LAMINATED TIMBER CANADIAN SPECIFICATIONS

Meeting the Standards: ([Click Here for US Specifications](#))



- Manufactured in accordance with CAN/CSA O122 product standards
- CSA O177 and ANSI approved plant
- Certified for quality control by APA-EWS
- Specifically covered by engineering tables and calculations as per:
 - The National Building Code of Canada
 - CAN/CSA-O86-01 for structural glued-laminated timber in Canada

Dimensions Available:

- Standard widths as per the CWC Wood Design Manual / Custom widths available upon request
 - 3 1/8" (80mm), 5 1/8" (130mm), 6 7/8" (175mm), 8 1/2" (215mm), 10 1/2" (265mm)
- Depth from 3" (76mm) up to 58" (1473mm) / Custom depths available upon request
- Lengths up to 125' (38m)

Product Properties & Performances:

- Premium grades of Spruce-Pine, Douglas Fir, Southern Pine and others
- Kiln-dried lumber (10-14%)
- Light weight material
- Using only Phenol Resorcinol waterproof glue, suitable for exterior or interior uses
- Special appearance grades available
- Preservative and fire retardant available for some applications
- Unlike steel, strength and stability are not reduced by fire
- Very cost competitive and works easily with all other framing materials
- The effective way to use high strength lumber to manufacture large structural members
- Offers superior mechanical strength to solid wood
- Proven performance in seismic areas due to ductility and light weight
- Available as curved members:
 - Vertical Laminations
 - Horizontal Laminations

Uses:

- Residential, commercial, educational, religious, industrial and agricultural construction
- Available as pre-cut, window lintels, floor beams, door or garage door headers and more
- Utility structures
- Bridges - pedestrian & highway

Especially where the appearance is essential...

- Columns
- Straight and curved beams
- Purlins
- Arches and heavy trusses

Goodlam Material Safety Data Sheet:

- Glue-Laminated Timber (click to download file in pdf format)
- CCA Treated Glue-Laminated Timber (click to download file in pdf format)

Appearance grade CSA 0122

The appearance grade refers only to the quality of finish on the exposed surfaces of the glulam member. It is not related to the stress grade or quality of materials of the member. The following table outlines the glulam appearance grade requirement:

Industrial Grade: Intended for use where appearance is not of primary concern, such as in industrial buildings.

Commercial Grade: Intended for painted or flat-gloss varnished surfaces

Quality-Grade: Intended for high-gloss transparent or polished surfaces, displays natural beauty of wood for best aesthetic appeal.

Requirement	Industrial	Commercial	Quality
Laminations may contain natural growth characteristics allowed in specified grades of laminating stock	Yes	Yes	Yes
Tight knots and stain are permitted on exposed surfaces	Yes	Yes	Yes
Sides shall be surfaced true to specified dimensions	Yes	Yes	Yes
Planer misses along individual laminations shall be patched with replacement stock. Exposed surfaces shall be sanded smooth and shall be free of glue	x	Yes	Yes
Wane, pitch pockets, loose knots, knot holes and voids on exposed surfaces shall be replaced by wood inserts or non-shrinking waterproof filling material.	x	x	Yes
Slightly broken knots, slivers, torn grain and checks shall be filled	x	x	Yes