

Westdek GLT - CSA

Made to the highest specifications and standards in a regularly inspected environment focused on quality. Western Archrib's Westdek product is second to none. From simple span, to two-span applications as well as cantilevers, Westdek is the ideal product for you mass timber floor or roof.

Manufacturing Standards

Our production facilities are certified by the APA – Engineered Wood Systems to produce glulam in accordance with:
CSA – 0122 Canadian Standards Association

As part of our commitment to the environment we offer Chain-of-Custody Certification on products manufactured with FSC® Certified Wood.

FSC® (FSC-C020013) Certified Wood to FSC-STD-40-004

Manufacturing Locations

Edmonton, Alberta, Canada
Boissevain, Manitoba, Canada

Specifications

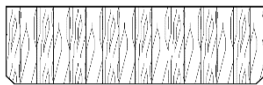
Standard Sizes Metric:

- Thickness – 80mm, 130mm, 175mm, 215mm, and 260mm.
- Panel width – standard width of 600mm. Optional width of 300mm is available.
- Length – available in lengths up to 20m

Standard Sizes Imperial:

- Thickness – 3 1/8", 5 1/8", 6 7/8", 8 1/2", and 10 3/8".
- Panel width – standard width of 23 3/4". Optional width of 11 3/4" is available.
- Length – available in lengths up to 65'.

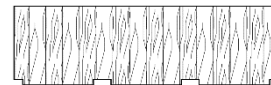
Profiles/Shapes:



Standard



Fluted



Plank

Appearance Classifications – CSA 0122

- *Planed (Industrial)* – exposed face of member is surfaced true to specified dimensions. Occasional planing misses may occur, filling or patching is not required.
- *Sanded (Commercial)* – exposed face of member is surfaced true to specified dimensions, free from squeezed-out adhesive, and sanded smooth. Planing misses along laminations are patched. Defects over 19mm in diameter are patched or filled.
- *Non-exposed (top side)* is an industrial finish with occasional planing misses that are not filled or repaired.

EDMONTON

4315 – 92 Avenue N.W.
Edmonton, AB T6B 3M7
780-465-9771

BOISSEVAIN

750 Johnson Street N.
Boissevain, MB R0K 0E0
204-534-2486

VANCOUVER

Vancouver, BC
604-230-3539

Available Species:

- Douglas Fir
- Spruce/Pine

Adhesive/Service Grade

- Our adhesives are in accordance with CSA 0112.9 and meet the qualification requirements of CSA 0177 for Exterior Grade glulam.

Design Values:

- See below table for Westdek design values.

Specified Strengths and Modulus of Elasticity (MPa) – Westdek

| | | Douglas Fir (MPa) | Spruce/Pine (MPa) |
|---------------------------|-----------------|----------------------|----------------------|
| Bending Moment (pos.) | fb | 10.0 | 11.8 |
| Bending Moment (neg.) | fb | 10.0 | 11.8 |
| Longitudinal Shear | fv | 1.9 | 1.5 |
| Compression parallel | fc | 14.0 | 11.5 |
| Compression perpendicular | fc _p | 7.0 | 5.3 |
| Tension parallel | ft | 5.8 | 5.5 |
| Modulus of elasticity | E | 11000 | 9500 |

* The information presented in the above table has been taken from the CSA 086-17 Engineering Design in Wood guide Table 5.3.1A. Specified strengths and modulus of elasticity for structural joist and plank. See guide for specific notes and further information.

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