



Structural Wood Systems

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® – STD-40-004 Companies supplying and manufacturing FSC® Certified Products

Manufacturing Locations

Edmonton, Alberta, Canada
Boissevain, Manitoba, Canada

Specifications

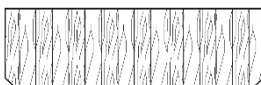
Standard Sizes Metric:

- 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

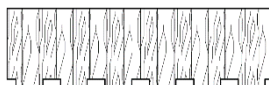
Standard Sizes Imperial:

- 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'.

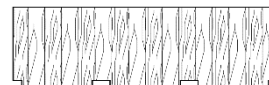
Profiles/Shapes:



Standard



Fluted



Plank

Appearance Classifications – CSA 0122

- *Planned (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.

Available Species:

- Douglas Fir
- Spruce/Pine

Design Values:

- See below table for Westdek design values.



Structural Wood Systems

Specified Strengths and Modulus of Elasticity - 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	fcp	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.