



ELEMENT5
MODERN TIMBER BUILDINGS

GLULAM



Glulam from Element5

- Sustainably sourced Ontario wood
- Manufactured in Ontario
- SPF lumber species
- FSC chain of custody certified plant

Glulam

Glulam offers a sustainable, cost-effective, construction alternative to concrete and steel. It can be used as a column, beam, rafter, purlin, or brace. It is suited for use in many diverse applications, including residential, commercial, institutional and industrial buildings. Glulam products for use in Canada are manufactured to the CSA O122 standard for structural glued-laminated timber.



Glulam is an engineered wood product made from machine stress rated SPF dimensional lumber that is bonded together with strong, waterproof adhesives to form larger columns and beams.

Glulam can be manufactured in a range of sizes and our 3D modelling software and 5-axis CNC technology ensures every member is fabricated to exacting tolerances.

Glulam and other mass timber components can be left exposed in many applications, offering the architectural freedom to celebrate the structure of your building.

When combined with other mass timber products in a structure, such as CLT or CLIPs from Element5, you can minimize the carbon footprint of your building and create a warm, beautiful indoor environment that enhances human health and well-being.

CONTACT US:

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Stress Grades	Spruce Pine 20f-EX, 20f-E, 12c-E, 14t-E to CSA-0122
Wood Species	SPF (spruce-pine-fir), other species upon request
Widths	80mm to 255mm (alternate sizes available upon request)
CSA Standard Widths	80, 130, 175, 215, and 265mm (+/- 2mm per CSA)
Depths	Starting at 105mm and increasing in depth in 35mm increments up to 1500mm (+/- 0.4mm per layer to a maximum of +/- 6mm total per CSA)
Lengths	Any length required up to 16m long (+/- 2mm per CSA)
Weight	For determining transport weight: approximately 470kg / m ³ (30lb / ft ³)
Moisture Content	12% ± 2% at time of production
Bonding Adhesive	Purbond adhesive for finger joining and surface bonding

