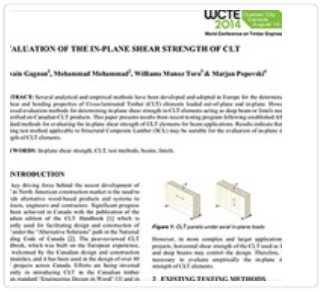

# Evaluation of the In-Plane Shear Strength of CLT

**https://research.thinkwood.com/en/permalink/catalogue637**

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Summary:

Several analytical and empirical methods have been developed and adopted in Europe for the determination of shear and bending properties of Cross-laminated Timber (CLT) elements loaded out-of-plane and in-plane. However, proposed evaluation methods for determining in-plane shear strength in CLT elements acting as deep beam or lintels need to be verified on Canadian CLT products. This paper presents results from recent testing program following established ASTM standard methods for evaluating the in-plane shear strength of CLT elements for beam applications. Results indicate that the existing test method applicable to Structural Composite Lumber (SCL) may be suitable for the evaluation of in-plane shear strength of CLT elements.

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| Online Access: | Free |

## Resource Link

http://schd.ws/hosted_files/wcte2014/f9/ABS707_Gagnon_web.pdf