



## Contact Joints in Engineered Wood Products

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### Summary:

Cross laminated timber (CLT) members are especially suited for in-plane loads due to their high shear strength and stiffness. However, available connection techniques show limited load-carrying capacities and stiffness values in comparison to the shear capacity of CLT. To use the potential of CLT under in-plane loading, new connection techniques, so called contact joints, with increased stiffness and load-carrying capacities were developed. 10 different types of these contact joints, varying geometry and connector material, were studied. The developed contact joints can substitute traditional connection techniques.

Online Access: Free

### Resource Link

<http://hdl.handle.net/20.500.12708/172>