



Energy Saving and Carbon Reduction in the Operation Stage of Cross Laminated Timber Residential Buildings in China

<https://research.thinkwood.com/en/permalink/catalogue1208>

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Country of Publication: Switzerland

Format: Journal Article

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems

Topic: Energy Performance

Keywords: Energy Consumption
Carbon Emissions
Reinforced Concrete
China
Climate Zones
Simulation

Language: English

Research Status: Complete

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Summary:

This paper focused on energy consumption and carbon emission for heating and cooling during a building's operation stage, and examined the energy effects of using Cross Laminated Timber (CLT) as an alternative building material to reinforced concrete (RC) in China's 31 key cities located in different climate zones...

Online Access: Free

Resource Link

<https://doi.org/10.3390/su9020292>



Hygrothermal Analysis of Timber-Based External Walls Across Different Australian Climate Zones

<https://research.thinkwood.com/en/permalink/catalogue2071>

Author: Gasparri, Eugenia
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Material: CLT (Cross-Laminated Timber)
Light Frame (Lumber+Panels)

Application: Walls

Topic: Moisture

Keywords: Hygrothermal Performance
Australia
Climate Zones
Mould

Language: English

Conference: World Conference on Timber Engineering

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https://www.researchgate.net/publication/327155544_HYGROTHERMAL_ANALYSIS_OF_TIMBER-BASED_EXTERNAL_WALLS_ACROSS_DIFFERENT_AUSTRALIAN_CLIMATE_ZONES 