



**Environmental Performances of a Timber-Concrete Prefabricated Composite Wall System**

<https://research.thinkwood.com/en/permalink/catalogue1343>

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Country of Publication: Netherlands

Format: Journal Article

Material: CLT (Cross-Laminated Timber)  
 Glulam (Glue-Laminated Timber)  
 Timber-Concrete Composite

Application: Walls

Topic: Environmental Impact

Keywords: Concrete Glulam Framed Panel  
 Embodied Energy  
 Carbon Footprint  
 Cradle-to-Gate  
 Prefabrication  
 Reinforced Concrete

Language: English

Research Status: Complete

Series: Energy Procedia

Online Access: Free

**Resource Link**

<https://doi.org/10.1016/j.egypro.2017.04.024> ↗



# A New Concrete-Glulam Prefabricated Composite Wall System: Thermal Behavior, Life Cycle Assessment and Structural Response

<https://research.thinkwood.com/en/permalink/catalogue1296>

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Publisher: ScienceDirect

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Format: Journal Article

Material: Glulam (Glue-Laminated Timber)

Application: Walls

Topic: Mechanical Properties  
Environmental Impact

Keywords: Strength  
Stiffness  
Concrete Glulam Framed Panel  
Thermal Behaviour  
Carbon Footprint  
Embodied Energy  
Life-Cycle Assessment

Language: English

Research Status: Complete

Series: Journal of Building Engineering

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## Resource Link

[https://www.researchgate.net/profile/Fabio\\_Peron/publication/325406428\\_A\\_new\\_concrete-glulam\\_prefabricated\\_composite\\_wall\\_system\\_Thermal\\_behavior\\_life\\_cycle\\_assessment\\_and\\_structural\\_response/links/5c7c0647299bf1268d363649/A-new-concrete-glulam-prefabricated-composite-wall-system-Thermal-behavior-life-cycle-assessment-and-structural-response.pdf](https://www.researchgate.net/profile/Fabio_Peron/publication/325406428_A_new_concrete-glulam_prefabricated_composite_wall_system_Thermal_behavior_life_cycle_assessment_and_structural_response/links/5c7c0647299bf1268d363649/A-new-concrete-glulam-prefabricated-composite-wall-system-Thermal-behavior-life-cycle-assessment-and-structural-response.pdf)