



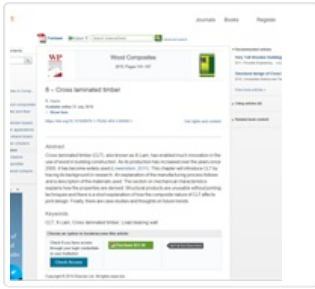
**7 – Glue-Laminated Timber (Glulam)**

<https://research.thinkwood.com/en/permalink/catalogue1165>

Author: Chee Beng Ong  
 Publisher: ScienceDirect  
 Year of Publication: 2015  
 Country of Publication: Netherlands  
 Publication:  
 Format: Book Section  
 Material: Glulam (Glue-Laminated Timber)  
 Application: General Application  
 Topic: General Information  
 Connections  
 Keywords: Production  
 Adhesives  
 Finger Joints  
 Language: English  
 Research Status: Complete  
 Series: Wood Composites  
 Online Access: Payment Required

**Resource Link**

<https://doi.org/10.1016/B978-1-78242-454-3.00007-X>



## 8 – Cross Laminated Timber

<https://research.thinkwood.com/en/permalink/catalogue1166>

Author: Richard Harris

Publisher: ScienceDirect

Year of Publication: 2015

Country of Publication: Netherlands

Publication:

Format: Book Section

Material: CLT (Cross-Laminated Timber)

Application: General Application

Topic: General Information

Mechanical Properties

Keywords: Manufacturing

Research

Joints

Language: English

Research Status: Complete

Series: Wood Composites

Online Access: Payment Required

### Resource Link

<https://doi.org/10.1016/B978-1-78242-454-3.00008-1>



## Accelerated Curing of Large Scale Glued-in-Rods

<https://research.thinkwood.com/en/permalink/catalogue2018>

Author: Nils Ratsch  
Morten Voß  
Jonas Wirries  
Sebastian Myslicki  
Daniel Kohl  
Stefan Böhm  
Till Vallée  
Michael Adam

Year of Publication: 2018

Country of Publication: South Korea

Format: Conference Paper

Material: LVL (Laminated Veneer Lumber)

Application: General Application

Topic: Mechanical Properties  
Connections

Keywords: Beech  
Glued-In Rods

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Online Access: Free

### Resource Link

<https://indico.conference4me.psnk.pl/event/171/session/404/contribution/575/material/paper/1.pdf>



# Accuracy Evaluation of Gamma-Method for Deflection Prediction of Partial Composite Beams

<https://research.thinkwood.com/en/permalink/catalogue1911>

Author: Seyed Rasoul Atashipour  
Pierre Landel  
Mohammad Al-Emrani

Year of Publication: 2018

Country of Publication: Korea

Format: Conference Paper

Material: Timber-Concrete Composite

Application: Wood Building Systems  
Beams

Topic: Mechanical Properties  
Design and Systems

Keywords: Shear Deformation  
Exact Solution  
Finite Element (FE) Model  
Numerical Analysis

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 20-23, 2018, Seoul, Republic of Korea

Online Access: Free

## Resource Link

[https://www.researchgate.net/publication/327306840\\_Accuracy\\_evaluation\\_of\\_Gamma-method\\_for\\_deflection\\_prediction\\_of\\_partial\\_composite\\_beams](https://www.researchgate.net/publication/327306840_Accuracy_evaluation_of_Gamma-method_for_deflection_prediction_of_partial_composite_beams)



## Accurate Strength Parameters for Fasteners with Examples for Ring Shank Nails

<https://research.thinkwood.com/en/permalink/catalogue1510>

Author: Jørgen Munch-Andersen  
Staffan Svensson

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: LVL (Laminated Veneer Lumber)

Application: General Application

Topic: Connections  
Mechanical Properties

Keywords: Withdrawal Test  
Ring Shank Nails  
Fasteners  
Strength

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria  
p. 344-352

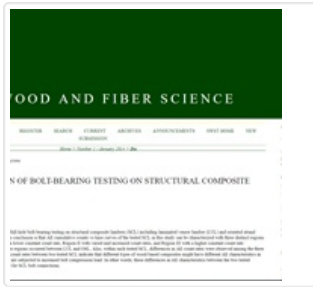
### Abstract:

Strength parameters for fasteners determined in accordance with the methods prescribed for the European CE-marking leads to quite different values for seemingly similar products from different manufactures. The results are hardly repeatable, to some extent due to difficulties in selecting representative on engineered wood products...

Online Access: Free

### Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1567618>



# Acoustic Emission of Bolt-Bearing Testing on Structural Composite Lumbers

<https://research.thinkwood.com/en/permalink/catalogue1443>

Author: Yicheng Du  
Jilei Zhang  
Sheldon Shi

Publisher: Society of Wood Science and Technology

Year of Publication: 2014

Country of Publication: United States

Format: Journal Article

Material: LVL (Laminated Veneer Lumber)  
OSL (Oriented Strand Lumber)

Application: General Application

Topic: Acoustics and Vibration

Keywords: Acoustic Emission  
Bolted Connection

Language: English

Research Status: Complete

Series: Wood and Fiber Science

**Abstract:**

Acoustic emission (AE) characteristics of full-hole bolt-bearing testing on structural composite lumbers (SCL) including laminated veneer lumber (LVL) and oriented strand lumber (OSL) were investigated. The main conclusion is that AE cumulative...

Online Access: Free

**Resource Link**

[https://www.researchgate.net/profile/Sheldon\\_Shi/publication/259801199\\_Acoustic\\_emission\\_of\\_bolt-bearing\\_testing\\_on\\_structural\\_composite\\_lumbers/links/53fb3e4e0cf27c365cf089cb/Acoustic-emission-of-bolt-bearing-testing-on-structural-composite-lumbers.pdf](https://www.researchgate.net/profile/Sheldon_Shi/publication/259801199_Acoustic_emission_of_bolt-bearing_testing_on_structural_composite_lumbers/links/53fb3e4e0cf27c365cf089cb/Acoustic-emission-of-bolt-bearing-testing-on-structural-composite-lumbers.pdf)



## Acoustic Testing of CLT and Glulam Floor Assemblies

<https://research.thinkwood.com/en/permalink/catalogue1863>

Author: Ivan Sabourin  
Organization: National Research Council of Canada  
Publisher: Regupol America  
Year of Publication: 2016  
Country of Publication: Canada  
Format: Report  
Material: CLT (Cross-Laminated Timber)  
Glulam (Glue-Laminated Timber)  
Application: Floors  
Topic: Acoustics and Vibration  
Keywords: Transmission Loss  
Impact Sound Transmission  
Impact Sound Pressure Level  
Language: English  
Research Status: Complete  
Series: Nordic Engineered Wood Report  
Online Access: Free

### Resource Link

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<https://www.regupol.com/test-reports/pdfs/A1-008253.pdf> [↗](#)



## Adaptation of Advanced High R-Factor Bracing Systems into Heavy Timber Frames

<https://research.thinkwood.com/en/permalink/catalogue1760>

Author: Colin Gilbert  
Jeffrey Erochko

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)

Application: Frames

Topic: Seismic  
Design and Systems  
Mechanical Properties

Keywords: Quasi-Static  
Cyclic Testing  
Ductility  
Damping Devices  
R-factors

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria  
p. 5068-5077

### Abstract:

Timber provides attractive earthquake performance characteristics for regions of high seismic risk, particularly its high strength-to-weight ratio; however, current timber structural systems are associated with relatively low design force reduction factors due to their low inherent ductility when compared to high-performance concrete and steel...

Online Access: Free

### Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1650029>





## Adhesion Performance of Melamine-Urea-Formaldehyde Resins with Various Melamine Contents for Glued Laminated Timber by High Frequency Heating System

<https://research.thinkwood.com/en/permalink/catalogue1515>

Author: Byung-Dae Park  
Keon-Ho Kim  
Kugbo Shim  
Min-Kug Hong

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)

Application: General Application

Topic: Connections  
Mechanical Properties

Keywords: MUF  
Adhesives  
PRF  
High Frequency  
Korea  
Delamination Test  
Pine  
Water Resistance

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria  
p. 504-510

### Abstract:

This work attempted to investigate adhesion performance of melamine-urea-formaldehyde (MUF) resin adhesives for bonding glued-laminated timber (Glulam). Two preparation methods were employed to formulate MUF resins with various melamine contents from 20 % to 50 %: one-step method of synthesizing MUF resins in a batch...

Online Access: Free

### Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1567654> ↗



## Adhesive-Bonded Timber-Concrete Composites - Experimental Investigation of Thermal-Hygric Effects

<https://research.thinkwood.com/en/permalink/catalogue1519>

Author: Werner Seim  
Lars Eisenhut  
Sonja Kühlborn

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Timber-Concrete Composite

Application: General Application

Topic: Serviceability  
Mechanical Properties

Keywords: Climate  
Long-term  
Shear Strength  
Deformation  
Temperature  
Moisture Content

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria  
p. 597-605

### Abstract:

The advantages of the two different building construction materials, timber and concrete, can be used effectively in adhesive-bonded timber-concrete composite constructions. The long-term behavior was investigated experimentally on small-scale...

Online Access: Free

### Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1567666> ↗