



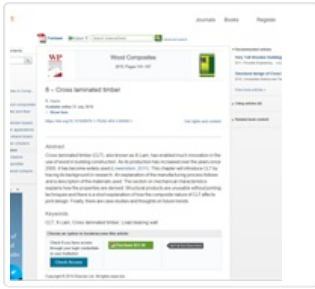
**7 – Glue-Laminated Timber (Glulam)**

<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

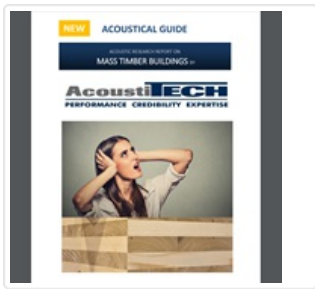
### Abstract:

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>



## Acoustical Guide: Acoustic Research Report on Mass Timber Buildings

<https://research.thinkwood.com/en/permalink/catalogue1839>

Organization:	AcoustiTECH
Editor:	David Dompierre Samuel Garant
Publisher:	AcoustiTECH
Year of Publication:	2018
Country of Publication:	Canada
Format:	Report
Material:	CLT (Cross-Laminated Timber) Other Materials
Application:	Floors
Topic:	Acoustics and Vibration
Keywords:	Mass Timber Sound Absorption Impact Sound Insulation
Language:	English
Research Status:	Complete
Online Access:	Free

### Resource Link

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<https://www.acousti-tech.com/Design/PDF/mass-timber-guide.pdf> 



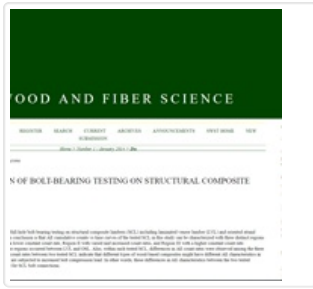
## Acoustically-Tested Mass Timber Assemblies

<https://research.thinkwood.com/en/permalink/catalogue1874>

Organization: WoodWorks  
Year of Publication: 2019  
Country of Publication: United States  
Format: Report  
Material: CLT (Cross-Laminated Timber)  
NLT (Nail-Laminated Timber)  
Glulam (Glue-Laminated Timber)  
Application: Floors  
Walls  
Topic: Acoustics and Vibration  
Keywords: Mass Timber  
Sound Transmission Class  
Impact Isolation Class  
Assembly  
Language: English  
Research Status: Complete  
Online Access: Free

### Resource Link

<http://www.woodworks.org/wp-content/uploads/Acoustically-Tested-Mass-Timber-Assemblies-WoodWorks.pdf>



# 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 Impact Testing and Waveform Analysis for Damage Detection in Glued Laminated Timber

<https://research.thinkwood.com/en/permalink/catalogue771>

Author: Feng Xu  
Xiping Wang  
Marko Teder  
Yunfei Liu

Publisher: De Gruyter

Year of Publication: 2017

Country of Publication: Germany

Format: Journal Article

Material: Glulam (Glue-Laminated Timber)

Application: General Application

Topic: Acoustics and Vibration  
Serviceability

Keywords: Decay  
Delamination  
Damage Detection  
Moment Analysis  
Wavelet Transform  
Acoustic Signals

Language: English

Research Status: Complete

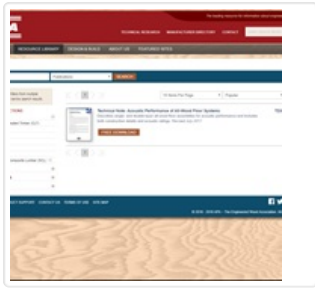
Series: Holzforschung

ISSN: 1437-434X

Online Access: Free

### Resource Link

<https://www.fs.usda.gov/treearch/pubs/download/55133.pdf> 



## Acoustic Performance of All-Wood Floor Systems

<https://research.thinkwood.com/en/permalink/catalogue1931>

Organization: APA  
Year of Publication: 2017  
Country of Publication: United States  
Format: Report  
Material: Light Frame (Lumber+Panels)  
Application: Floors  
Topic: Acoustics and Vibration  
Keywords: Sound Transmission Class  
Impact Isolation Class  
Code  
Language: English  
Research Status: Complete  
Online Access: Free

### Resource Link

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<https://www.apawood.org/publication-search?q=T230&tid=1> 