



Adequate Impact Sound Protection in Light Construction and Solid Floors - Sequence of Layers. Materials Selection and Dimensioning

<https://research.thinkwood.com/en/permalink/catalogue1912>

Author: Anton Kraller
Ewald Kammeringer

Publisher: Intergrated Digital Conference (INDICO)

Year of Publication: 2018

Country of Publication: Korea

Format: Conference Paper

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

Application: Floors

Topic: Acoustics and Vibration

Keywords: Stiffness
Dynamic Properties
Sound Absorption
Multi-Storey
Residential Buildings

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://indico.conference4me.psnr.pl/event/171/session/370/contribution/251/material/paper/1.pdf>



Behaviour of Mass Timber Panel-Concrete Connections with Inclined Self-Tapping Screws and Insulation Layer

<https://research.thinkwood.com/en/permalink/catalogue1984>

Author: Md Abdul Hamid Mirdad
Ying Hei Chui

Year of Publication: 2018

Country of Publication: South Korea

Format: Conference Paper

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

Application: Floors

Topic: Mechanical Properties
Connections

Keywords: Self-Tapping Screws
Insulation
Mid-Rise
High-Rise
Stiffness
Strength

Language: English

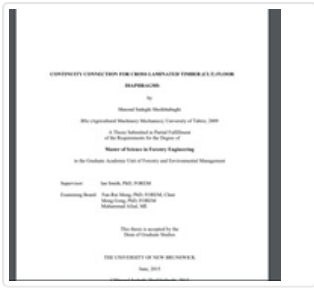
Conference: World Conference on Timber Engineering

Research Status: Complete

Online Access: Free

Resource Link

<https://indico.conference4me.psnr.pl/event/171/session/341/contribution/107/material/paper/1.pdf>



Continuity Connection for Cross Laminated Timber (CLT) Floor Diaphragms

<https://research.thinkwood.com/en/permalink/catalogue78>

Author: Masoud Sadeghi
Organization: University of New Brunswick
Year of Publication: 2015
Country of Publication: Canada
Format: Thesis
Material: CLT (Cross-Laminated Timber)
Application: Floors
Topic: Connections
Mechanical Properties
Keywords: Self-Tapping Screws
Shear
Stiffness
Strength
Tension
Testing
Language: English
Research Status: Complete
Online Access: Free

Resource Link

<https://unbscholar.lib.unb.ca/islandora/object/unbscholar%3A6923/datastream/PDF/view>



Design of Floor Diaphragms in Multi-Storey Timber Buildings

<https://research.thinkwood.com/en/permalink/catalogue294>

Author: Daniel Moroder
Tobias Smith
Stefano Pampanin
Alessandro Palermo
Andrew Buchanan

Year of Publication: 2015

Country of Publication: New Zealand

Format: Conference Paper

Material: CLT (Cross-Laminated Timber)
Light Frame (Lumber+Panels)

Application: Floors

Topic: Design and Systems
Seismic

Keywords: Diaphragms
Multi-Storey
Commercial
Lateral Loads
Equivalent Truss Method
Lateral Load Resisting System

Language: English

Conference: New Zealand Society for Earthquake Engineering Conference

Research Status: Complete

Notes: April 10-12, 2015, Rotorua, New Zealand

Abstract:

This paper discusses the design of timber diaphragms, in response to the growing interest in multi-storey commercial timber structures, and the lack of guidance or regulations regarding the seismic design of timber diaphragms...

Online Access: Free

Resource Link

http://www.nzsee.org.nz/db/2015/Papers/O-32_Moroder.pdf



Development and Evaluation of Mechanical Joints for Composite Floor Elements with Cross Laminated Timber

<https://research.thinkwood.com/en/permalink/catalogue208>

Author: Nicolas Jacquier
Organization: Luleå University of Technology
Year of Publication: 2015
Country of Publication: Sweden
Format: Thesis
Material: CLT (Cross-Laminated Timber)
Glulam (Glue-Laminated Timber)
Timber-Concrete Composite
Application: Floors
Topic: Connections
Mechanical Properties
Keywords: Fasteners
Metal Plate
Strength
Stiffness
Double-sided Nail Plates
Language: English
Research Status: Complete
Online Access: Free

Resource Link

<http://tu.diva-portal.org/smash/get/diva2:990749/FULLTEXT01.pdf>



Displacement-Based Seismic Design of Timber Structures

<https://research.thinkwood.com/en/permalink/catalogue1891>

Author: Cristiano Loss
Publisher: University of Trento
Year of Publication: 2011
Country of Publication: Italy
Format: Thesis
Material: CLT (Cross-Laminated Timber)
Glulam (Glue-Laminated Timber)
LVL (Laminated Veneer Lumber)
Other Materials
Application: Wood Building Systems
Walls
Floors
Beams
Columns
Frames
Topic: Design and Systems
Seismic
Keywords: Direct Displacement-Based Design
Direct-DBD
Full-Scale
Single Family Houses
Multi-Storey
Connections
Language: English
Research Status: Complete
Notes: Doctoral Thesis (PhD)
Online Access: Free

Resource Link

<http://eprints-phd.biblio.unitn.it/593/>



DVA*

This paper was presented at Ninth European Conference on Noise Control (Euronoise), 10-13 June, 2012, Prague.

Citation for the published paper:
Jamerö, K., Bolmsvik, Å., Olsson, A. & Brandt, A.,
"Effect of flexible supports on vibration performance of timber floors"
Euronoise, Prague 2012, 10-13 June, 2012, pp 214-219
ISBN: 978-80-01-03013-2

Effect of Flexible Supports on Vibration Performance of Timber Floors

<https://research.thinkwood.com/en/permalink/catalogue190>

Author: Kirsi Jamerö
Åsa Bolmsvik
Anders Brandt
Anders Olsson

Organization: Euronoise

Year of Publication: 2012

Country of Publication: Czech Republic

Format: Conference Paper

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

Application: Floors

Topic: Acoustics and Vibration

Keywords: Residential
Multi-Storey
Noise
Prefabrication
In Situ
Vibration
Damping
Interlayer

Language: English

Conference: Ninth European Conference on Noise Control (Euronoise)

Research Status: Complete

Notes: June 10-13, 2012, Prague, Czech Republic

Online Access: Free

Resource Link

<http://lnu.diva-portal.org/smash/get/diva2:640069/FULLTEXT02.pdf>



Elevated Temperature Effects on the Shear Performance of a Cross-Laminated Timber (CLT) Wall-to-Floor Bracket Connection

<https://research.thinkwood.com/en/permalink/catalogue2106>

Author: Kolton Mahr
Organization: Oregon State University
Year of Publication: 2019
Country of Publication: United States
Publication:
Format: Thesis
Material: CLT (Cross-Laminated Timber)
Application: Walls
Floors
Topic: Fire
Connections
Mechanical Properties
Keywords: Fire Performance
Cyclic Shear Tests
Wall-to-Floor
Brackets
Thermal Degradation
Strength
Elastic Stiffness
Model
Temperature
Language: English
Research Status: Complete
Online Access: Free

Resource Link

https://ir.library.oregonstate.edu/concern/graduate_thesis_or_dissertations/4f16c850q



Evaluation of Bending Tests on Composite Glulam-CLT Beams Connected with Double-Sided Punched Metal Plates and Inclined Screws

<https://research.thinkwood.com/en/permalink/catalogue436>

Author: Nicolas Jacquier
Ulf Girhammar

Publisher: ScienceDirect

Year of Publication: 2015

Country of Publication: Netherlands

Format: Journal Article

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

Application: Floors

Topic: Connections
Mechanical Properties

Keywords: Multi-Storey
Four Point Bending Test
Shear connection
Double-sided Punched Metal Plate
Separation Forces

Language: English

Research Status: Complete

Series: Construction and Building Materials

Online Access: Free

Resource Link

<https://www.diva-portal.org/smash/get/diva2:996172/FULLTEXT01.pdf>



Experimental and Numerical Evaluation of Cross-Laminated Timber (CLT) Panels Produced with Pine Timber from Thinnings in Uruguay

<https://research.thinkwood.com/en/permalink/catalogue1601>

Author: Vanesa Baño
Daniel Godoy
Abel Vega

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: CLT (Cross-Laminated Timber)

Application: Floors

Topic: Market and Adoption
Mechanical Properties

Keywords: Uruguay
Pine
Finite Element Model
Strength

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria
p. 1948-1955

Abstract:

Due to the high volume of timber required for manufacturing, the production of cross-laminated timber (CLT) panels could be an appropriate destiny for the existing surplus of pinewood presently available in Uruguay. Although wood construction is uncommon in this country, there are some companies with the capacity to adapt their production to new...

Online Access: Free

Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1607762>