



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 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> 



Advanced Wood Product Manufacturing Study for Cross-Laminated Timber Acceleration in Oregon & SW Washington, 2017

<https://research.thinkwood.com/en/permalink/catalogue715>

Organization: Oregon BEST
Year of Publication: 2017
Country of Publication: United States
Format: Report
Material: CLT (Cross-Laminated Timber)
Application: General Application
Topic: Market and Adoption
Keywords: Market
US
Economic Impact
Language: English
Research Status: Complete
Online Access: Free

Resource Link

http://oregonbest.org/fileadmin/media/Mass_Timber/Accelerating_CLT_Manufacturing_in_Oregon__SW_Washington_2017__Oregon_BEST_.pdf



Analysis of Hygroscopic Self-Shaping Wood at Large Scale for Curved Mass Timber Structures

<https://research.thinkwood.com/en/permalink/catalogue2162>

Author: Philippe Grönquist
Dylan Wood
Mohammad Hassani
Falk Wittel
Achim Menges
Markus Rüggeberg

Publisher: American Association for the Advancement of Science

Year of Publication: 2019

Country of Publication: United States

Format: Journal Article

Material: CLT (Cross-Laminated Timber)

Application: General Application

Topic: Design and Systems

Keywords: Moisture Content
Architecture
Self-Shaping


Language: English

Research Status: Complete

Series: Science Advances

Online Access: Free

Resource Link

<https://doi.org/10.1126/sciadv.aax1311> 



An Exploration into Tornado Resistant Residential CLT Structures

<https://research.thinkwood.com/en/permalink/catalogue2111>

Author: Augustus Raymond
Organization: Clemson University
Year of Publication: 2019
Country of Publication: United States
Publication:
Format: Thesis
Material: CLT (Cross-Laminated Timber)
Glulam (Glue-Laminated Timber)
Application: Wood Building Systems
Topic: Wind
Design and Systems
Mechanical Properties
Keywords: Tornadoes
Analytical Models
Language: English
Research Status: Complete
Online Access: Free

Resource Link

https://tigerprints.clemson.edu/all_theses/3095 [↗](#)



Apparent Sound Insulation in Cross-Laminated Timber Buildings

<https://research.thinkwood.com/en/permalink/catalogue1276>

Author: Christoph Hoeller
Jeffrey Mahn
Dave Quirt
Stefan Schoenwald
Berndt Zeitler

Organization: National Research Council of Canada

Year of Publication: 2017

Country of Publication: Canada

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems

Topic: Acoustics and Vibration
Connections

Keywords: Airborne Sound Transmission
Adhesives

Language: English

Research Status: Complete

Online Access: Free

Resource Link

<http://doi.org/10.4224/23002009>



Assessing the Complexity of Timber Gridshells in Architecture through Shape, Structure, and Material Classification

<https://research.thinkwood.com/en/permalink/catalogue1876>

Author: Philippe Charest
André Potvin
Claude Demers
Sylvain Ménard

Publisher: North Carolina State University

Year of Publication: 2019

Country of Publication: United States

Format: Journal Article

Application: Shell Structures

Topic: Design and Systems

Keywords: Timber gridshells
Free-Form
Architectural Complexity
Non-Standard Grids
Natural Composite Materials

Language: English

Research Status: Complete

Series: BioResources

Online Access: Free

Resource Link

http://ojs.cnr.ncsu.edu/index.php/BioRes/article/view/BioRes_14_1_1364_Charest_Complexity_Timber_Gridshells



Australia and New Zealand Cross Laminated Timber (CLT) Market: Industry Trends, Share, Size, Growth, Opportunity and Forecast 2019-2024

<https://research.thinkwood.com/en/permalink/catalogue1962>

Organization: IMARC Group
Publisher: IMARC Services Pvt. Ltd.
Year of Publication: 2019
Country of Publication: United States
Format: Report
Material: CLT (Cross-Laminated Timber)
Application: Wood Building Systems
General Application
Topic: Market and Adoption
Keywords: Market Performance
Industry Performance
Australia
New Zealand
Manufacturing
Language: English
Research Status: Complete

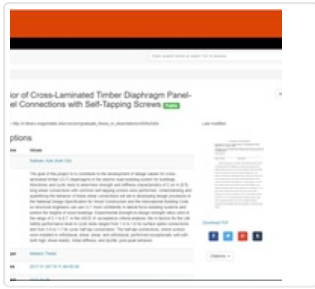
Abstract:

This report provides a deep insight into the Australia and New Zealand cross laminated timber market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the cross laminated timber industry in any manner.

Online Access: Payment Required

Resource Link

<https://www.imarcgroup.com/australia-newzealand-clt-market>



Behavior of Cross-Laminated Timber Diaphragm Panel-to-Panel Connections with Self-Tapping Screws

<https://research.thinkwood.com/en/permalink/catalogue1422>

Author: Kyle Sullivan
Organization: Oregon State University
Year of Publication: 2017
Country of Publication: United States
Format: Thesis
Material: CLT (Cross-Laminated Timber)
Application: Wood Building Systems
Topic: Seismic
Keywords: Lateral Load Resisting System
Monotonic Tests
Cyclic Tests
Strength
Stiffness
Self-Tapping Screws
International Building Code
Language: English
Research Status: Complete
Online Access: Free

Resource Link

http://ir.library.oregonstate.edu/concern/graduate_thesis_or_dissertations/n009w540c