



Assessing The Flammability of Mass Timber Components: A Review

<https://research.thinkwood.com/en/permalink/catalogue87>

Author: Mehaffey, Jim
Dagenais, Christian

Organization: FPInnovations

Year of Publication: 2014

Country of Publication: Canada

Format: Report

Material: CLT (Cross-Laminated Timber)
Glulam (Glue-Laminated Timber)
LSL (Laminated Strand Lumber)
LVL (Laminated Veneer Lumber)
PSL (Parallel Strand Lumber)

Application: Wood Building Systems

Topic: Fire

Keywords: National Building Code of Canada
Flame Spread
Model
Cone Calorimeter Testing
Buildings

Language: English

Research Status: Complete

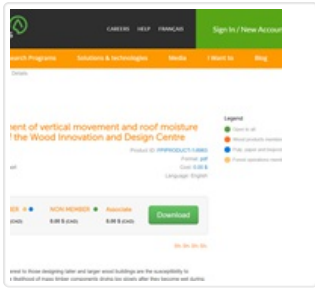
Abstract:

In recent decades, the wood industry has developed a number of innovative mass timber products. Among others, structural composite lumber (SCL) products, such as parallel strand lumber (PSL), laminated strand lumber (LSL) and laminated veneer lumber (LVL...

Online Access: Free

Resource Link

<http://www.bcfii.ca/system/files/reports/public/fii407-2013-14-fpinnovations-assessing-the-flammability-of-mass-timber-components-a-review.pdf>



Field Measurement of Vertical Movement and Roof Moisture Performance of the Wood Innovation and Design Centre

<https://research.thinkwood.com/en/permalink/catalogue1182>

Author: Wang, Jieying
Organization: FPInnovations
Year of Publication: 2018
Country of Publication: Canada
Format: Report
Material: CLT (Cross-Laminated Timber)
Glulam (Glue-Laminated Timber)
PSL (Parallel Strand Lumber)
Application: Wood Building Systems
Roofs
Topic: Serviceability
Moisture
Keywords: Vertical Movement
Moisture Content
Temperature
Relative Humidity
Monitoring
Language: English
Research Status: Complete
Notes: Report is currently not available due to the redevelopment of FPInnovations' publications website.

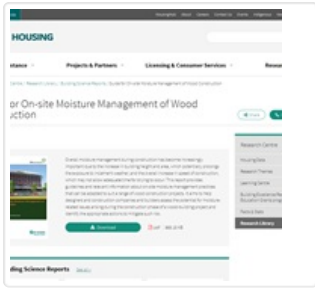
Abstract:

Two of the major topics of interest to those designing taller and larger wood buildings are the susceptibility to differential movement and the likelihood of mass timber components drying too slowly after they become wet during construction. The Wood Innovation and Design Centre in Prince George, British Columbia provides a unique opportunity for non-destructive...

Online Access: Free

Resource Link

<https://fpinnovations.ca/Extranet/Pages/AssetDetails.aspx?item=/Extranet/Assets/ResearchReportsWP/16782.pdf#.WymL1PIKiUI>



Guide for On-site Moisture Management of Wood Construction

<https://research.thinkwood.com/en/permalink/catalogue1968>

Author: Wang, Jieying
Organization: FPInnovations
Publisher: BC Housing Research Centre
Year of Publication: 2016
Country of Publication: Canada
Format: Report
Material: CLT (Cross-Laminated Timber)
Glulam (Glue-Laminated Timber)
LSL (Laminated Strand Lumber)
LVL (Laminated Veneer Lumber)
PSL (Parallel Strand Lumber)
OSL (Oriented Strand Lumber)
NLT (Nail-Laminated Timber)
Light Frame (Lumber+Panels)
Application: Walls
Floors
Wood Building Systems
General Application
Topic: Moisture
Keywords: Moisture Management
Construction
Risk Mitigation
Prefabrication
Multi-Storey
Language: English
Research Status: Complete

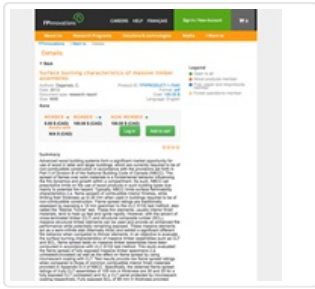
Abstract:

Overall moisture management during construction has become increasingly important due to the increase in building height and area, which potentially prolongs the exposure to inclement weather, and the overall increase in speed of construction, which may not allow adequate time for drying to occur. This report provides guidelines and relevant information about on-site moisture management practices that can be adapted to suit a range of wood construction projects...

Online Access: Free

Resource Link

<https://www.bchousing.org/research-centre/library/building-science-reports/moisture-management-wood-construction&sortType=sortByDate>



Surface Burning Characteristics of Massive Timber Assemblies

<https://research.thinkwood.com/en/permalink/catalogue397>

Author: Dagenais, Christian
Organization: FPInnovations
Year of Publication: 2013
Country of Publication: Canada
Format: Report
Material: CLT (Cross-Laminated Timber)
LSL (Laminated Strand Lumber)
PSL (Parallel Strand Lumber)
Application: Wood Building Systems
Topic: Fire
Keywords: Flame Spread
National Building Code of Canada
Language: English
Research Status: Complete
Notes: Report is currently not available due to the redevelopment of FPInnovations' publications website.

Abstract:

Advanced wood building systems form a significant market opportunity for use of wood in taller and larger buildings, which are currently required to be of non-combustible construction in accordance with the provisions set forth in Part 3 of Division B of the...

Online Access: Payment Required

Resource Link

<https://fpinnovations.ca/Extranet/Pages/AssetDetails.aspx?item=/Extranet/Assets/ResearchReportsWP/E4815.pdf>