



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
 Series: Wood Composites
 Online Access: Payment Required

Resource Link

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



Finger-jointed Frame Corners and Tapered Beams of Cross-Laminated Timber

<https://research.thinkwood.com/en/permalink/catalogue931>

Author: Hans Joachim Blaß
Marcus Flaig

Organization: Karlsruher Institut für Technologie

Year of Publication: 2015

Country of Publication: Germany

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: General Application

Topic: Connections
Design and Systems

Keywords: Finger Joints
double pitched beams

Language: German

Online Access: Free

Resource Link

<http://dx.doi.org/10.5445/KSP/1000047039>



Influence of Distribution of Finger Joints and Timber Flaws on the Damage Evolution of Laminated Glued Timber Beams during Four Point Bending

<https://research.thinkwood.com/en/permalink/catalogue1584>

Author: Lenka Melzerová
Michal Šejnoha

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)

Application: Beams

Topic: Mechanical Properties

Keywords: Four Point Bending Test
Displacement
Strain
Knots
Finger Joints
Damage

Language: English

Conference: World Conference on Timber Engineering

Notes: August 22-25, 2016, Vienna, Austria
p. 1830-1837

Abstract:

A group of six glued laminated timber beams was tested in four-point bending until failure. Both standard measuring devices mounted to the beams and digital cameras were employed to provide for a continuous measuring of displacements and strains as well as visualization of damage evolution and subsequently for quantification...

Online Access: Free

Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1607745>



Mechanical Behaviour of Finger Joints at Elevated Temperatures

<https://research.thinkwood.com/en/permalink/catalogue612>

Author: Andrea Frangi
Marco Bertocchi
Sebastian Clauß
Peter Niemz

Publisher: Springer-Verlag

Year of Publication: 2012

Country of Publication: Germany

Format: Journal Article

Material: Glulam (Glue-Laminated Timber)

Application: General Application

Topic: Fire
Mechanical Properties

Keywords: Fire Resistance
Tensile tests
Bending Tests
Finger Joints

Language: English

Series: Wood Science and Technology

ISSN: 1432-5225

Online Access: Payment Required

Resource Link

<http://dx.doi.org/10.1007/s00226-011-0444-9>



Performance of Glue-Laminated Beams from Malaysian Dark Red Meranti Timber

<https://research.thinkwood.com/en/permalink/catalogue1822>

Author: Chee Beng Ong
Organization: University of Bath
Year of Publication: 2018
Country of Publication: United Kingdom
Format: Thesis
Material: Glulam (Glue-Laminated Timber)
Application: Beams
Topic: Mechanical Properties
Keywords: Malaysian Dark Red Meranti (DRM)
Production
Phenol-Resorcinol Formaldehyde
Fabrication
Bonding Performance
Carbon Fiber Reinforced Polymer
Tension Face
Unreinforced
Fire Test
Failure
Finger Joints
Softwood
Europe
Density
End Pressure
Cramping Pressure
Strength
Charring Rate
Fire Performance
Polyurethane
Bending Strength
Language: English
Online Access: Free

Resource Link

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