



Experimental Analysis of Flanking Transmission of Different Connection Systems for CLT Panels

<https://research.thinkwood.com/en/permalink/catalogue1632>

Author: Speranza, Alice
Barbaresi, Luca
Morandi, Federica

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems

Topic: Acoustics and Vibration
Connections

Keywords: Vibration Reduction Index
Fasteners
Flanking Transmission

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria
p. 2904-2911

Summary:

This paper presents the first results of the flanksound project, a study promoted by Rotho Blaas srl regarding flanking transmission between CLT panels jointed with different connection systems. The vibration reduction index K_{ij} is evaluated according to the EN ISO 10848 standard by measuring the velocity level difference between CLT...

Online Access: Free

Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1648969>