



## Bonded Timber-Concrete Composite Floors with Lightweight Concrete

<https://research.thinkwood.com/en/permalink/catalogue1699>

Author: Schmid, Volker  
Zauft, Doreen  
Polak, Maria

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Timber-Concrete Composite

Application: Floors

Topic: Connections

Keywords: Lightweight Concrete  
Epoxy  
Adhesives  
Manufacturing

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria  
p. 4360-4367

### Summary:

This paper examines a new and very promising concept for prefabricated timber-concrete-composite floors (TCC-floors), where the heavy normal weight concrete is replaced by a lightweight concrete (LC) with a density of about 17 kN/m<sup>3</sup>. Investigations into the connections between lightweight concrete and timber indicate that the...

Online Access: Free

### Resource Link

<http://hdl.handle.net/20.500.12708/172> [↗](#)