



Fire resistance of long span composite wood-concrete floor systems

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Abstract: There is a need to evaluate TCC systems under fire conditions to understand how shear connectors will perform and might affect the fire performance and the composite action of the assembly. This project evaluates the fire performance of TCC assemblies based on their structural resistance, integrity and insulation when exposed to a standard fire, as well as how mass timber and concrete interact. This study involves full-scale fire resistance tests on composite wood-concrete floors using two types of shear connectors. 301009649

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