



Fire Resistance of Timber Framed Floor with Isolated Ceiling Assembly

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Summary:

Fire resistance test was performed for a floor assembly, of which stiffness was reinforced by shortening the span of floor joists by adding glulam beam in the middle of the original span, and which an additional ceiling component was installed apart from floor part. These factors are expected to show good insulation performance of timber framed floor against heavy impact sound. From full scale fire test, it is conclude that the designed and manufactured floor achieved 1 hour of fire resistance rating.

Online Access: Free

Resource Link

http://schr.ws/hosted_files/wcte2014/45/ABS440_Lee_web.pdf