



Acoustic Testing of CLT and Glulam Floor Assemblies

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 Glulam (Glue-Laminated Timber)
 Application: Floors
 Topic: Acoustics and Vibration
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Summary:

This report contains the transmission loss (TL) results measured in accordance with ASTM E90-09 and the normalized impact sound pressure level (NISPL) results measured in accordance with ASTM E492-09 of 13 cross-laminated timber (CLT) floor assemblies and 5 glulam floor assemblies. The report also contains the nonstandard impact sound pressure level results measured on 6 different small patch specimens.

Summary tables containing the specimen number, sketch, short description, the sound transmission class (STC) and impact isolation class (IIC) ratings, as well as, the page number of the detailed test reports are provided starting on page 5.

A brief analysis of the floors tested as part of this test series is provided after the summary tables on page 9. The standard test reports of the tested floor assemblies begin on page 16. The floor assemblies were built and tested between January and April 2016.

Online Access: Free

Resource Link

<https://www.regupol.us/test-reports/pdfs/A1-008253.pdf>