



The Seismic Behaviour of Buildings Erected in Solid Timber Construction

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Seismic

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Summary:

The overall aim of this report is to assess the earthquake resistance on the basis of calculating the seismic design of a residential building erected in Solid Timber Construction. Thus, a detailed analysis of the sample building focusing on the instantaneous seismic design situation and using the currently valid ONORM B 1998-1:2006, will be conducted. In the context of assessing the earthquake resistance of a building, it is also highly interesting to analyse the control of the regular criteria in plane and evaluation due to their significant importance to the calculation. The final determination of the primary seismic components, in this example the focus is on the bracing panels, is also made by using the Austria currently valid Eurocodes for Timber Design in combination with the guidelines taken from the previously mentioned European Standard for Earthquakes.

Online Access: Free

Resource Link

<https://www.ergocad.eu/uploads/9/9/7/7/99772912/09-the-seismic-behaviour-of-buildings-erected-in-solid-timber-construction.pdf> ↗