



Swimming-Pool Building Made with X-Lam Panels

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Summary:

Cross-laminated timber panels (X-Lam panels) are produced for structural use in Service Classes 1 and 2, in accordance with Eurocode 5 and no producer have been able to certify for use in Service Class 3. The swimming-pools are known to be buildings with high hygrometry and the paper describes the use of X-Lam panels in such use, following a project completed in 2012, in Portugal. X-Lam panels are used within the building, through visible surfaces in walls and ceilings. Constructive solutions are presented in order to discuss the way to deal with the service conditions of the building and two years of continuous monitoring are also presented to analyze the validity of design options.

Online Access: Free

Resource Link

http://schr.ws/hosted_files/wcte2014/0d/ABS692_Dias_web.pdf