

Assessment of fire-retardant treatments and their impact on the fire performance and bonding properties of aspen and silver birch veneers

Alao, Percy Festus; Olusoji, Adekunle; **Kallakas, Heikko**; **Just, Alar**; **Kers, Jaan** European journal of wood and wood products 2025 / art. 66 <https://doi.org/10.1007/s00107-025-02223-1>

Behavior of fin-plate connection of a composite beam subjected to different fire scenarios

Sakr, Mohamed; **Lu, Wei**; **Talvik, Ivar**; **Puttonen, Jari** Rakenteiden mekaniikka = Journal of structural mechanics 2024 / 23 p <https://doi.org/10.23998/rm.137617> [Journal metrics at Scopus](#) [Article at Scopus](#)

CLT compartment test in Estonia

Mäger, Katrin Nele Fire design models for Europe : expert meeting 2018 / p. 80-96 : ill [Expert meeting...](#)

CLT protected by gypsum boards : design models

Just, Alar; **Mäger, Katrin Nele**; **Kraudok, Kairit** Fire design models for Europe : expert meeting 2018 / p. 62-74 : ill [Expert meeting...](#)

Comparison of the fire resistance of timber members in tests and calculation models

Schmid, Joachim; **Klippel, Michael**; **Just, Alar**; **Frangi, Andrea** CIB-W18 2013, International Council for Research and Innovation in Building and Construction, Working Commission W18 - Timber Structures, Meeting 46, 26-29 August 2013 2013 https://www.researchgate.net/publication/326804697_Comparison_of_the_fire_resistance_of_timber_members_in_tests_and_calculation_models

The effects of timber species and adhesive type on the behavior of finger joints in tension under fire conditions

Sciomenta, Martina; **Vihmann, Jane Liise**; **Tuhkanen, Eero**; **Just, Alar**; **Fragiacomo, Massimo** Construction and building materials 2024 / art. 138080 <https://doi.org/10.1016/j.conbuildmat.2024.138080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fire protection provided by insulation materials - a new design approach for timber frame assemblies

Tiso, Mattia; **Just, Alar** Structural engineering international 2017 / p. 231-237 <https://doi.org/10.2749/101686617X14881932435899> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Full-scale fire tests of timber frame walls : test report

Just, Alar 2009 https://www.ester.ee/record=b2565179*est

Massive timber protected with gypsum claddings

Just, Alar; **Mäger, Katrin Nele** Cross-laminated timber : Standard fire design model : expert meeting 2017 / p. 100-108 : ill <https://ethz.ch/content/dam/ethz/special-interest/baug/ibk/costfp1404-dam/documents/2018/N234-02-ProceedingsExpertMeetingKoeschingWG2TG1.pdf>

Mäger, K. N.

Mäger, Katrin Nele Cross-laminated timber : Standard fire design model : expert meeting 2017 / p. 109-120 : ill <https://ethz.ch/content/dam/ethz/special-interest/baug/ibk/costfp1404-dam/documents/2018/N234-02-ProceedingsExpertMeetingKoeschingWG2TG1.pdf>

Natural fire tests on compartments with CLT

Brandon, Daniel; **Just, Alar** CLT - The way to standardization – definition of gaps : expert meeting 2017 / p. 161-177 [CLT - The way to...](#)

Procedure for implementing new materials to the component additive method

Mäger, Katrin Nele; **Just, Alar**; **Schmid, Joachim**; **Werther, Norman**; **Klippel, Michael**; **Brandon, Daniel**; **Frangi, Andrea** Fire safety journal 2019 / p. 149-160 : ill <https://doi.org/10.1016/j.firesaf.2017.09.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Review and analysis of fire resistance tests of timber members in bending, tension and compression with respect to the Reduced Cross-Section Method

Schmid, Joachim; **Klippel, Michael**; **Just, Alar**; **Frangi, Andrea** Fire safety journal 2014 / p. 81-99 : ill

Room fire test with walls and floors with I-joists

Mäger, Katrin Nele; **Just, Alar**; **Persson, Tommy**; **Wikner, Alfred**; **Olofsson, Robert** Proceedings of the III Forum Wood Building Baltic, Riga Technical University, 09-10.05, 2022, Riga, Latvia 2022 / p. 34-35 <https://forumwoodbuilding.rtu.lv/wp-content/uploads/sites/37/2022/05/FWBB2022-2022.05.09-speakers-day-1-and-2.pdf>

Simulation of the fire resistance of cross-laminated timber (CLT)

Schmid, Joachim; **Klippel, Michael**; **Just, Alar**; **Frangi, Andrea**; **Tiso, Mattia** Fire technology 2018 / p. 1113–1148 : ill <https://doi.org/10.1007/s10694-018-0728-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural fire design of timber frame assemblies insulated by glass wool and covered by gypsum plasterboards = Klaasvillaga täidetud ning kipsplaatidega kaetud puittarindite tulepüsivus

Just, Alar 2010 https://www.ester.ee/record=b2634535*est

The load-bearing performance of CLT wall elements in full-scale fire tests

Schmid, Joachim; Boström, L.; **Just, Alar** Interflam 2013 : 13th International Fire Science and Engineering Conference : Royal Holloway College University of London, UK : 24th-26th June 2013 : conference proceedings. Vol. 2 2013 / p. 1143-1156

The reduced cross-section method for evaluation of the fire resistance of timber members : discussion and determination of the zero-strength layer

Schmid, Joachim; **Just, Alar**; Klippel, Michael; Fragiocomo, Massimo Fire technology 2015 / P. 1285-1309 : ill
<https://doi.org/10.1007/s10694-014-0421-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tulekahjumatse julgustab CLT-lahendusi

Just, Alar EhitusEST 2018 / lk. 24-26 : ill http://www.ester.ee/record=b4442657*est https://artiklid.elnet.ee/record=b2866689*est