

An improved design model for fire exposed cross laminated timber

Schmid, Joachim; Klippel, Michael; Frangi, Andrea; **Just, Alar**; **Tiso, Mattia** International Network on Timber Engineering Research : INTER : Meeting 50, 28-31 August 2017, Kyoto, Japan : proceedings 2017 / p. 475-477 : ill

An improved design models for fire ex-posed CLT floor elements

Schmid, Joachim; Klippel, Michael; Frangi, Andrea; **Just, Alar**; **Tiso, Mattia**; Werther, Norman Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 72-73 : ill https://www.ester.ee/record=b5197207*est

Brandteknisk dimensionering av lätta träregelkonstruktioner enligt Eurokod 5

Just, Alar; Schmid, Joachim Bygg & teknik 2011 / p. 15-18 : ill

Charring behaviour of cross laminated timber with respect to the fire protection, comparison of different methods

Tiso, Mattia; Schmid, Joachim; Fragiaco, Massimo Proceedings of the 1st European Workshop Fire Safety of Green Buildings : Berlin, Germany, 6-7 October 2015 / p. 58-61 : ill

Comparison of test results and the Reduced Cross-Section Method using a zero-strength layer

Schmid, Joachim; Klippel, Michael; **Just, Alar**; Brandon, Daniel Proceedings of the 1st European Workshop Fire Safety of Green Buildings : Berlin, Germany, 6-7 October 2015 / p. 51-53 : ill

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

Design model for wood I-joists in wall assemblies exposed to fire

Schmid, Joachim; **Just, Alar** Structures in Fire : SiF2012 : proceedings of the 7th International Conference on Structures in Fire, Zurich, Switzerland, 6-8 June 2012 / p. 357-366 : ill

Determination of design fires in compartments with combustible structure – modification of existing design equations

Schmid, Joachim; Fahrni, Reto; Frangi, Andrea; Werther, Norman; Brandon, Daniel; **Just, Alar** Proceedings : meeting 52 : 26-29 August 2019, Tacoma WA, USA 2020 / p. 509-511 <https://doi.org/10.3929/ethz-b-000396127>

Effect of mineral wool insulations on charring of timber members

Just, Alar; Schmid, Joachim WCTE : World Conference on Timber Engineering : New Zealand, Auckland, 15-19 July 2012 / [7] p. : ill

Effective cross-section method for timber frame assemblies – definition of coefficients and zero-strength layers

Tiso, Mattia; **Just, Alar**; Schmid, Joachim; Klippel, Michael Book of abstracts of the final conference COST FP 1404 "Fire Safe Use of Bio-Based Building Products", Zürich, 1st and 2nd October 2018 / p. 20-24 : ill [Fire Safe Use of Bio-Based Building Product](#)

Effective cross-sectional method for timber frame assemblies - definition of coefficients and zero strength layers

Tiso, Mattia; **Just, Alar**; Schmid, Joachim; Klippel, Michael Fire and materials 2018 / p. 897-913 : ill <https://doi.org/10.1002/fam.2645> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eurocode 5 – 2nd generation – fire design

Just, Alar; Frangi, Andrea; Hakkarainen, Jouni; Schmid, Joachim; Werther, Norman; Krenn, Harald; Blondeau, Renaud 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 64-73 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17>

Evaluation of zero-strength layer depths for timber members of floor assemblies with heat resistant cavity insulations

Tiso, Mattia; **Just, Alar**; Schmid, Joachim; **Mäger, Katrin Nele**; Klippel, Michael Fire safety journal 2019 / p. 137-148 : ill <https://doi.org/10.1016/j.firesaf.2019.01.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Failure times of gypsum boards

Just, Alar; Schmid, Joachim; König, J. Structures in Fire : proceedings of the 6th International Conference (SiF'10) : June 2-4, 2010, East Lansing, MI 2010 / p. 593-601

Failure times of gypsum plasterboards

Just, Alar; Schmid, Joachim; König, J. Interflam 2010 : proceedings of the twelfth international conference : 5-7th July 2010, Nottingham, UK, Volume 2 2010 / p. 1695-1700

Fire design of CLT in Europe

Östman, Birgit; Schmid, Joachim; Klippel, Michael; **Just, Alar**; Werther, Norman; Brandon, Daniel Wood and Fiber Science 2018 / p. 68-82 <https://doi.org/10.22382/wfs-2018-041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fire dynamics in timber structures - extending the current design limits for future timber buildings : final report of the

TimFix-project (pre-project)

Schmid, Joachim; Brandon, Daniël; **Just, Alar**; Werther, Norman 2022 <https://doi.org/10.3929/ethz-b-000571321>

Fire performance of CLT – a task group report of COST Action FP1404

Klippel, Michael; Schmid, Joachim; Werther, Norman; **Just, Alar** Fire performance of CLT – A Task Group Report of COST Action FP1404 2018 / p. 65-71 [Fire Safe Use of Bio-Based Building Product](#)

Fire protection abilities provided by gypsum plasterboards

Just, Alar; Schmid, Joachim; Östman, Birgit WCTE : World Conference on Timber Engineering : New Zealand, Auckland, 15-19 July 2012 2012 / [5] p. : ill

Fire protection by mineral wool for timber frame assemblies

Just, Alar; Schmid, Joachim Structures in Fire : SiF2012 : proceedings of the 7th International Conference on Structures in Fire, Zurich, Switzerland, 6-8 June 2012 2012 / p. 337-346 : ill

Guidance for implementation of materials and products in fire design methods of timber frame assemblies : COST Action FP1404 : Version 1

2018 [Guidance for implementation...](#)

Gypsum plasterboards and gypsum fibreboards – protective times for fire safety design of timber structures

Just, Alar; Schmid, Joachim; König, J. CIB W18 meeting 44, Alghero, 31.08-2.9.2011, Karlsruhe, Germany 2011

Improved fire design models for timber frame assemblies - guidance document COST Action FP1404 : version 1

2018 [Improved fire design models...](#)

Postfire protection effect of heatresistant insulations on timberframe members exposed to fire

Just, Alar; Schmid, Joachim; König, Jürgen Fire and materials 2012 / p. 153-163 : ill

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](#)

Protection by gypsum plasterboards - state of the art

Just, Alar; Kraudok, Kairit; Schmid, Joachim; Östman, Birgit Proceedings of the 1st European Workshop Fire Safety of Green Buildings : Berlin, Germany, 6-7 October 2015 2015 / p. 107-110 : ill

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

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](#)

Zero-strength layers for timber frame assemblies in a standard fire

Tiso, Mattia; Just, Alar; Klippel, Michael; Schmid, Joachim; Brandon, Daniel International Network on Timber Engineering Research : INTER : Meeting 50, 28-31 August 2017, Kyoto, Japan : proceedings 2017 / p. 407-420 : ill

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; Fragiaco, Massimo Fire technology 2015 / P. 1285-1309 : ill

The reduced cross-section method for the design of timber structures exposed to fire-background, limitations and new developments

Schmid, Joachim; König, Jürgen; **Just, Alar** Structural engineering international 2012 / p. 514-522 <https://www.tandfonline.com/doi/abs/10.2749/101686612X13363929517578>