

Behavior of wooden based insulations at high temperatures

Tiso, Mattia; Just, Alar; Mäger, Katrin Nele Energy procedia 2016 / p. 729-737 : ill <https://doi.org/10.1016/j.egypro.2016.09.135>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Behaviour of insulation materials in timber frame assemblies exposed to fire [Online resource]

Tiso, Mattia; Just, Alar WCTE 2016 : World Conference on Timber Engineering : August 22-25, 2016, Vienna, Austria : e-book, full papers 2016 / p. 3884-3891 : ill <http://shop.tuverlag.at/de/the-world-conference-on-timber-engineering>

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

Charring performance of timber structures protected by traditional lime-based plasters

Liblik, Johanna; Nurk, Meeri; Just, Alar Construction and building materials 2022 / art. 128572
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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

Design criteria for insulation materials applied in timber frame assemblies

Tiso, Mattia; Just, Alar Journal of Structural Fire Engineering 2018 / p. 252 - 263 <https://doi.org/10.1108/JSFE-01-2017-0015> [Journal metrics at Scopus](#) [Article at Scopus](#)

Design parameters for timber members protected by clay plaster at elevated temperatures

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Effect of hemp fiber surface treatment on the moisture/water resistance and reaction to fire of reinforced PLA composites

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Effect of mineral wool insulations on charring of timber members

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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

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Eurocode 5 – 2nd generation – fire design

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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](#)

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Experimental analysis of cross-laminated timber rib panels at normal temperature and in fire

Kleinhenz, Miriam; Just, Alar; Frangi, Andrea Engineering structures 2021 / art. 113091, 14 p. : ill <https://doi.org/10.1016/j.engstruct.2021.113091> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental study of the charring of I-joists and recession of combustible insulation in light timber frame assemblies with comparison to Eurocode 5

Bøe, Andreas Sæter; Mäger, Katrin Nele; Friquin, Kathinka Leikanger; Just, Alar Fire Technology 2023 / p. 3283 - 3325 <https://doi.org/10.1007/s10694-023-01464-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fire design method of timber frame elements with bio-based insulation

Werther, Norman; Hofmann, Veronika; Kammerer, Elisabeth; Rauch, Michael; Winter, Stefan; **Mäger, Katrin Nele** Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 82-83 https://www.ester.ee/record=b5197207*est

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](#)

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Tiso, Mattia; Just, Alar Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 78-79 : ill https://www.ester.ee/record=b5197207*est

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Fahmi, Reto; Klippel, Michael; **Just, Alar**; Ollinoc, A.; Frangi, Andrea Fire safety journal 2019 / p. 161-169 : ill <https://doi.org/10.1016/j.firesaf.2017.11.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of adhesives on fire resistance of wooden i-joists

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Influence of internal pressure on hollow section steel members in fire

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Modelling the fire resistance of cross-laminated timber rib panels

Kleinhenz, Miriam; Palma, Pedro; **Just, Alar**; Frangi, Andrea Fire and Materials 2024 / P. 725 - 736 <https://doi.org/10.1002/fam.3226> [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

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