

A case study on construction of CLT building without preliminary roof

Liisma, Eneli; Kalamees, Targo; Kuus, Babette Liseth; **Kukk, Villu** Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 44-45 : ill https://www.ester.ee/record=b5197207*est <https://www.digar.ee/viewer/et/nlib-digar:409888/350001/page/45>

A case study on the construction of a CLT building without a preliminary roof

Liisma, Eneli; Kuus, Babette Liseth; **Kukk, Villu; Kalamees, Targo** Journal of sustainable architecture and civil engineering 2019 / p. 53-62 : ill <https://doi.org/10.5755/j01.sace.25.2.22263>

Commissioning of moisture safety of nZEB renovation with prefabricated timber frame insulation wall elements

Pihelo, Peep; Kalamees, Targo Wood material science and engineering 2021 / p. 110-117
<https://doi.org/10.1080/17480272.2019.1635206> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Construction period moisture load on CLT - example of 5 CLT buildings

Kalbe, Kristo; Kukk, Villu; Kalamees, Targo Proceedings of the III Forum Wood Building Baltic, Riga Technical University, 09-10.05, 2022, Riga, Latvia 2022 / p. 42-43 <https://forumwoodbuilding.rtu.lv/wp-content/uploads/sites/37/2022/05/FWBB2022-2022.05.09-speakers-day-1-and-2.pdf>

Designing highly insulated cross-laminated timber external walls in terms of hygrothermal performance : field measurements and simulations

Kukk, Villu; Kaljula, Laura; Kers, Jaan; Kalamees, Targo Building and Environment 2022 / art. 108805
<https://doi.org/10.1016/j.buildenv.2022.108805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of prefabricated additional insulation elements for the renovation of high-rise apartment buildings

Pihelo, Peep; Kalamees, Targo Journal of sustainable architecture and civil engineering 2024 / p. 8-22
<https://doi.org/10.5755/j01.sace.35.2.35422>

Durability behavior of portland burnt oil shale cement concrete

Raado, Lembi-Merike; Tuisk, Tanel; Rosenberg, Margit; Hain, Tiina Oil shale 2011 / p. 507-515 : ill
https://artiklid.elnet.ee/record=b2463387*est

Eesti eluasemefondi puitkorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne

Kalamees, Targo; Arumägi, Endrik; Just, Alar; Kallavus, Urve; Mikli, Lauri; Thalfeldt, Marko; Klõšeiko, Paul; Agasild, Tõnis; Liho, Eva; Haug, Priit; Tuurmann, Kristo; Liias, Roode; Õiger, Karl; Langeproon, Priit; Orro, Oliver; Välja, Leele; Suits, Maris; **Kodi, Georg; Ilomets, Simo; Alev, Üllar; Kurik, Lembit** 2011 http://www.ester.ee/record=b2720728*est

Eesti eluasemefondi telliskorterelamute ehitustehniline seisukord ning prognoositav eluiga : uuringu lõpparuanne

Kalamees, Targo; Kõiv, Teet-Andrus; Liias, Roode; Õiger, Karl; Kallavus, Urve; Mikli, Lauri; Ilomets, Simo; Kuusk, Kalle; Maivel, Mikk; Mikola, Alo; Klõšeiko, Paul; Agasild, Tõnis; Arumägi, Endrik; Liho, Eva; Ojang, Tanel; Tuisk, Tanel; Raado, Lembi-Merike; Jõesaar, Tõnu 2010 http://www.ester.ee/record=b2665958*est

The effect of thermal transmittance of building envelope and material selection of wind barrier on moisture safety of timber frame exterior wall

Pihelo, Peep; Kalamees, Targo Journal of building engineering 2016 / p. 29-38 : ill <https://doi.org/10.1016/j.jobe.2016.02.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating moisture safety strategies in CLT buildings – predictions vs actual outcomes

Kalbe, Kristo; Kalamees, Targo Case studies in construction materials 2025 / art. e04958, 17 p. : ill
<https://doi.org/10.1016/j.cscm.2025.e04958>

Hygrothermal analysis of masonry wall with reed boards as interior insulation system

Keskküla, Kadri; Aru, Tambet; Kiviste, Mihkel; Miljan, Martti-Jaan Energies 2020 / art. 5252, 10 p. : ill
<https://doi.org/10.3390/en13205252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal calculations and laboratory tests on timber-framed wall structures

Kalamees, Targo; Vinha, Juha Building and environment 2003 / 5, p. 689-697 : ill
<https://www.sciencedirect.com/science/article/pii/S036013230200207X>

Hygrothermal criteria for design of cross-laminated timber external walls

Kukk, Villu; Kers, Jaan; Kalamees, Targo; Wang, Lin; Ge, Hua Proceedings of the 5th international conference on building energy and environment 2023 / p. 811-815 https://doi.org/10.1007/978-981-19-9822-5_87 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Hygrothermal performance of highly insulated timber-frame external wall

Pihelo, Peep; Kikkas, Henri; Kalamees, Targo Energy procedia 2016 / p. 685-695 : ill <https://doi.org/10.1016/j.egypro.2016.09.128> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hygrothermal performance of masonry walls retrofitted with interior insulation in cold climate = Kiviseinte seespoolse lisasoojustuse soojus- ja niiskustehniline toimivus külmas kliimas

Klõšeiko, Paul 2022 <https://doi.org/10.23658/taltech.41/2022> <https://digikogu.taltech.ee/et/Item/e4e4dc01-f8cf-4d60-b205-3f01529a8fc1>
https://www.ester.ee/record=b5508993*est

Hygrothermal performance of prefabricated insulation elements for serial renovation of apartment buildings in a moderately continental German climate

Pihelo, Peep; Kalamees, Targo Journal of Physics: Conference Series 2023 / art. 012001 <https://doi.org/10.1088/1742-6596/2654/1/012001> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Madal- ja liginullenergiahoonete piirdetarindite niiskusturvalisuse tagamine

Pihelo, Peep Liginullenergiahooned täna ja homme : artiklite kogumik 2015 / lk. 59-62 : ill

Moisture control strategies of habitable basements in cold climates

Asphaug, Silje Kathrin; Kvande, Tore; Time, Berit; Peuhkuri, Ruut H.; **Kalamees, Targo**; Johansson, Pär; Berardi, Umberto; Lohne, Jardar Building and Environment 2020 / Art. 106572 <https://doi.org/10.1016/j.buildenv.2019.106572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Moisture drying capacity of mineral wool insulated steel-faced sandwich panels by convection

Lomp, Siim; Kalbe, Kristo; Kalamees, Targo Acta Polytechnica CTU proceedings 2022 / p. 347-353
<https://doi.org/10.14311/APP.2022.38.0347> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Moisture dry-out capability of steel-faced mineral wool insulated sandwich panels

Kalbe, Kristo; Piikov, Hubert; Kalamees, Targo Sustainability 2021 / 18 p. : ill <https://doi.org/10.3390/su12219020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Moisture safety of cross-laminated timber construction = Ristkihtliimpuit ehituse niiskusturvalisus

Kalbe, Kristo 2025 https://www.ester.ee/record=b5750525*est <https://digikogu.taltech.ee/et/Item/75dac979-4e4c-4fd7-8d66-ade40d647e91>
<https://doi.org/10.23658/taltech.44/2025>

Moisture safety strategies for renovations of a roof with prefabricated additional insulation elements: A whole building heat, air, and moisture simulation approach

Kalamees, Targo; Kalbe, Kristo; Kodi, Georg-Mihkel; Pihelo, Peep; Simson, Raimo; Arumägi, Endrik Multiphysics and Multiscale Building Physics : Proceedings of the 9th International Building Physics Conference (IBPC 2024) ; Volume 1: Moisture and Materials 2025 / p. 262–269 https://doi.org/10.1007/978-981-97-8305-2_36

Moisture safety strategies for roof renovation with prefabricated additional insulation elements

Kodi, Georg-Mihkel; Kalbe, Kristo; Pihelo, Peep; Kalamees, Targo 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 154-155 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17>
https://www.ester.ee/record=b5668645*est

Mould resistance of paper plaster made from cellulose-containing waste

Raamets, Jane; Nutt, Nele; Rudisaar, R; Nei, Lembit; Olle, Margit Latvian journal of physics and technical sciences 2025 / p. 32-38 <https://doi.org/10.2478/lpts-2025-0003>

A novel approach to quantify crack formation in CLT

Kalbe, Kristo; Kalamees, Targo 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 156-157 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17>
https://www.ester.ee/record=b5668645*est

Numerical simulation of CLT moisture uptake and dry-out following water infiltration through end-grain surfaces

Brandstätter, Florian; Kalbe, Kristo; Autengruber, Maximilian; Lukacevic, Markus; Kalamees, Targo; **Ruus, Aime; Annuk, Alvar**; Füssl, Josef Journal of Building Engineering 2023 / art. 108097 <https://doi.org/10.1016/j.jobe.2023.108097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Phase transformation and strength of hydrated circulating fluidised bed combustion ash sediment in an open environment over 15 years: implications for the long-term stability of ash waste plateaus

Konist, Alar; Paaver, Peeter; **Pihu, Tõnu**; Kirsimäe, Kalle Oil Shale 2024 / p. 145-162 : ill <https://doi.org/10.3176/oil.2024.3.01>
https://www.ester.ee/record=b1072685*est

Practical application of polyaniline as active material of humidity sensors

Bereznev, Sergei; Öpik, Andres Tallinna Tehnikaülikooli Toimetised 1994 / lk. 28-34: ill

Puurunkoisten pientalojen koetus- ja lämpötilaolosuhteet, ilmanvaihto ja ilmatiiviys

Vinha, Juha; Korpi, Minna; **Kalamees, Targo**; Eskola, Lari; Palonen, J.; **Kurnitski, Jarek**; Valovirta, I.; Mikkilä, A.; Jokisalo, Juha 2005

Renovation of historic wooden apartment buildings = Ajalooliste puitkorterelamute renoveerimine

Arumägi, Endrik 2015 http://www.ester.ee/record=b4483126*est

A state-of-the-art empirical round robin validation of heat, air and moisture (HAM) models

Dang, Xinyuan; Guimarães, Ana Sofia; Sarkany, Andreas; Laukkanen, Anssi; Xu, Bingyu; Vanderschelden, Bruno; Rode, Carsten; Xia, Changchang; Feng, Chi; Whitman, Chris; **Klõšeiko, Paul; Kalamees, Targo; Kuk, Villu** Building and Environment 2025 / art. 112867 <https://doi.org/10.1016/j.buildenv.2025.112867>

Surface wetting properties of electrodeposited and sprayed ZnO nanorod layers [Online resource]

Gromõko, Inga; Krunk, Malle; Dedova, Tatjana; Katerski, Atanas; Klauson, Deniss; Oja Acik, Ilona Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fmdk.ut.ee/teesid/>

Suurendatud niiskuskindlusega puitlaastplaatide valmistamine

Siimer, Kadri; Pehk, Tõnis; Kaljuvee, Tiit; Lash, Ilmar; Peterson, Aleksander XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 160-161

The effect of moisture content of insulation boards on the adhesion strenght of ETICS

Liisma, Eneli; Raado, Lembi-Merike; Lumi, Silver; Lill, Irene; Sulakatko, Virgo Recent advances in civil engineering and mechanics : [proceedings of the 5th ECCIE'14, 2nd CEM'14, 2nd OTENG'14 : Florence, Italy, November 22-24, 2014] 2014 / p. 103-108 : ill

Wetting circumstances, expected moisture content, and drying performance of CLT end-grain edges based on field measurements and laboratory analysis

Kalbe, Kristo; Kalamees, Targo; Kuk, Villu; Ruus, Aime; Annuk, Alvar Building and environment 2022 / art. 109245 <https://doi.org/10.1016/j.buildenv.2022.109245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)