

Air leakage and hygrothermal performance of an internally insulated log house

Alev, Üllar; Uus, Andres; Teder, Marko; Miljan, Martti-Jaan; **Kalamees, Targo** NSB 2014 : 10th Nordic Symposium on Building Physics, 15-19 June 2014, Lund, Sweden : full papers 2014 / p. 55-62 : ill

Air leakage of joints filled with polyurethane foam

Hallik, Jaanus; **Gustavson, Heleen**; **Kalamees, Targo** Buildings 2019 / art. 172, 15 p. : ill <https://doi.org/10.3390/buildings9070172>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Air tightness and air leakages of new lightweight single-family detached houses in Estonia

Kalamees, Targo Building and environment 2007 / 6, p. 2369-2377 : ill

Airtightness of residential buildings in Finland

Vinha, Juha; Manelius, Elina; **Kurnitski, Jarek** Building and environment 2015 / p. 128-140 : ill

Airtightness, air exchange and energy performance in historic residential buildings with different structures

Eskola, Lari; **Alev, Üllar**; **Arumägi, Endrik**; Jokisalo, Juha; Donarelli, Anna; Sirén, Kai; **Kalamees, Targo** International journal of ventilation 2015 / p. 11-26 : ill <https://doi.org/10.1080/14733315.2015.11684066> [Journal metrics at Scopus](#) [Article at Scopus](#)

Aken külmas ja soojas : kuidas saavutada akende optimaalne soojusrežiim, nii et talvel oleks toad soojad ja suveleitsakus meeldivalt jahedad

Sasi, Lennart Ehituskaar 2000 / 10, lk. 6-7

Analysis of on-site construction processes for effective external thermal insulation composite system (ETICS) installation

Sulakatko, Virgo; Lill, Irene; Liisma, Eneli Procedia economics and finance 2015 / p. 297-305 : ill

Avoiding mould growth in an interiorly insulated log wall

Alev, Üllar; **Kalamees, Targo** Building and environment 2016 / p. 104-115 : ill <https://doi.org/10.1016/j.buildenv.2016.05.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Basic solutions for the renovation of lightweight brick walls of Estonian detached houses

Suvalov, Mihhail; **Lomp, Siim**; **Kalamees, Targo** 2nd International Conference on Moisture in Buildings (ICMB23), online, 3-4 July 2023 2023 / 2 p <https://doi.org/10.14293/ICMB230051>

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](#)

Betoonist ja kivist välisseinte seestpoolsest lisasoojustamisest

Õiger, Karl; Teppe, Ants Ehitame 1995 / nr. 39, dets., lk. 7

Betoonist ja kivist välisseinte seestpoolsest lisasoojustamisest

Õiger, Karl; Teppe, Ants Rakennustaito 1995 / 3, lk. 8-9, 23: ill

Building leakage, infiltration and energy performance analyses for Finnish detached houses

Jokisalo, Juha; **Kurnitski, Jarek**; Korpi, Minna; **Kalamees, Targo**; Vinha, Juha Building and environment 2009 / 2, p. 377-387 : ill

Case study : in-situ testing and model calibration of interior insulation solution for an office building in cold climate

Klõšeiko, Paul; **Kalamees, Targo** CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [book of abstracts] 2016 / p. 61-62 : ill

Case study : in-situ testing and model calibration of interior insulation solution for an office building in cold climate [Online resource]

Klõšeiko, Paul; **Kalamees, Targo** CESB 16 - Central Europe Towards Sustainable Building 2016 : Innovations for Sustainable Future : [electronic proceedings] 2016 / p. 159-166 : ill

Comparison of mineral wool, cellulose and reed mat for interior thermal insulation of log walls

Alev, Üllar; Uus, Andres; **Kalamees, Targo** Journal of civil engineering and architecture research 2015 / p. 938-946 : ill

Comparison of thermal performance of mineral wool and reflective insulation on internally insulated log wall

Alev, Üllar; **Kalamees, Targo**; **Arumägi, Endrik**; **Ilomets, Simo** Proceedings of Healthy Buildings 2012 : Brisbane, Australia 8-12 July 2012 2012 / [6] p. : ill

Construction process and measuring initial dryout of PCM mortar in energy activated ETICS façade

Talvik, Martin; **Ilomets, Simo**; **Klõšeiko, Paul**; **Kalamees, Targo**; Heim, Dariusz Thermal performance of the exterior envelopes of

whole buildings : Buildings XV Conference 2022 / p. 757-764 <https://www.scopus.com/record/display.uri?eid=2-s2.0-85163701291&origin=inward&txId=c83aa5cf70cab7322515343c3d634b25>

Construction process technical impact factors on degradation of the external thermal insulation composite system
Sulakatko, Virgo; Vogdt, Frank U. Sustainability 2018 / art. 3900, 26 p. : ill <https://doi.org/10.3390/su10113900> [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> [Journal metrics at Scopus](#) [Article at Scopus](#)

The distribution of the air leakage places and thermal bridges in Finnish detached houses and apartment buildings
Kalamees, Targo; Korpi, Minna; Eskola, Lari; **Kurnitski, Jarek;** Vinha, Juha Proceedings of the 8th Symposium on Building Physics in the Nordic Countries : Copenhagen, Denmark, June 16-18, 2008. 3 2008 / p. 1095-1102
https://www.academia.edu/90749708/The_distribution_of_the_air_leakage_places_and_thermal_bridges_in_Finnish_detached_houses_and_apartment_buildings

Doktoritöö aitab anda Eesti paneelmajade uuendamisele tööstusliku mõõtme [Võrguväljaanne]
Oldermäe, Jaan-Juhan novaator.err.ee 2020 / fot [Doktoritöö aitab anda Eesti paneelmajade uuendamisele tööstusliku mõõtme](#)

Doktoritöö: Kesk-Euroopa levinud soojustust tasub Eestis üheksa korda mõõta [Võrguväljaanne]
Harrik, Airika novaator.err.ee 2022 [Doktoritöö: Kesk-Euroopa levinud soojustust tasub Eestis üheksa korda mõõta](#) [Hygrothermal Performance of Masonry Walls Retrofitted with Interior Insulation in Cold Climate = Kiviseinte seespoolse lisasoojustuse soojus- ja niiskustehniline toimivus külmas kliimas](#)

Eessõna
Jürgenson, Leo Elamu soojapidavus 1942 / lk. 5 https://www.ester.ee/record=b1136585*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

Eesti Nokia leitud : poole energiatarbimisest saaks maailmas kokku hoida
Berendson, Risto; **Kurnitski, Jarek** Õhtuleht 2019 / lk. 4-5 : portr <https://www.oh tuleht.ee/982581/eesti-nokia-leitud-poole-energiatarbimisest-saaks-maailmas-kokku-hoida> https://www.ester.ee/record=b1408161*est

Eesti NSV-s ehitatud elamute orgaanilise täidise väliste uurimine
Jürisson, Nikolai 1955 http://www.ester.ee/record=b2154620*est

Eestlaste välja mõeldud uus tehnoloogia kiirendaks kortermajade kordategemist
Liiva, Siiri; **Kalamees, Targo** Eesti Päevaleht 2019 / lk. 17 <https://arileht.delfi.ee/artikkel/85632109/eestlaste-valja-moeldud-uus-tehnoloogia-kiirendaks-kortermajade-kordategemist>

Efektiivne, hea soojustuse ja planeeringuga maja
Vill, Ants Kodu & Ehitus : TM 2022 / lk. 8-10 : fot https://www.ester.ee/record=b1740684*est

The effect of temperature, humidity and mechanical properties on crack formation on external thin plasters of ETICS
Volkova, Kristina; Põldaru, Mattias; Ilomets, Simo; Kalamees, Targo; Talvik, Martin; Heim, Dariusz Journal of physics : conference series 2021 / art. 012025, 8 p. : ill <https://doi.org/10.1088/1742-6596/2069/1/012025> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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](#)

Efficiency of pipes thermal insulation in Estonian district heating networks [Electronic resource]
Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu The 5th Annual Conference of Young Scientists on Energy Issues : CYSENI 2008 : conference proceedings 2008 / p. IV-10 - IV-16 [CD-ROM]

Ehitusvead kollitavad ka uuselamuid : [sisaldab K.Õigeri kommentaari]

Õiger, Karl; Tamm, Liivi Äripäev 2004 / 27. okt., lk. 16 <https://www.aripaev.ee/uudised/2004/10/26/ehitusvead-kollitavad-ka-uuselamuid>

Elamu seina soojapidavusest

Jürgenson, Leo 1939 https://www.ester.ee/record=b1137465*est

Elamu soojapidavus

Jürgenson, Leo 1942 https://www.ester.ee/record=b1136585*est

Elatakse ka paneelmajades : [Lennart Sasi mõtteid paneelelamu soojustamisest]

Sasi, Lennart; Kask, Enn Ehituskaar 1997 / 10, lk. 17

Eluaseme energiasäästlik hooldamine

Hääl, Kaido; Laur, Toomas; **Sasi, Lennart;** Vares, Villu 2000 https://www.ester.ee/record=b1438982*est

Energy performance of ETICS integrated with a flexible photovoltaic panel

Heim, Dariusz; Wieprzowicz, Anna; Knera, Dominika; **Ilomets, Simo;** **Kalamees, Targo;** Spitalsky, Zdeno Building simulation conference proceedings 2022 / p. 64-71 <https://doi.org/10.26868/25222708.2021.30194>

Estimation of thermal insulation efficiency of Estonian district heating networks

Hlebnikov, Aleksandr; **Siirde, Andres;** **Paist, Aadu** Advances in Heat Transfer : proceedings of the Baltic Heat Transfer Conference : September 19-21, 2007. Volume 2 2007 / p. 500-505 : ill

European roadmap for the En-ActivETICS advancement and potential of the PV/PCM unventilated wall system application

Heim, Dariusz; **Talvik, Martin;** Wieprzkowicz, Anna; **Ilomets, Simo;** Knera, Dominika; **Kalamees, Targo;** Czarny, Dariusz Energy and buildings 2023 / art. 113207 <https://doi.org/10.1016/j.enbuild.2023.113207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluation of the criticality of thermal bridges

Ilomets, Simo; **Kalamees, Targo** Journal of building pathology and rehabilitation 2016 / art. 11, p. 1-13 : ill
<http://dx.doi.org/10.1007/s41024-016-0005-6>

Field measurements and simulation of an massive wood panel envelope with ETICS

Kukk, Villu; **Kers, Jaan;** **Kalamees, Targo** Wood material science and engineering 2021 / p. 27-34 : ill
<https://doi.org/10.1080/17480272.2020.1712738> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Field study of airtightness of traditional rural houses in Estonia

Alev, Üllar; **Kalamees, Targo** Proceedings of CLIMA 2013 : 11th REHVA World Congress and the 8th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Prague 16th-19th June, 2013 2013 / [10] p. : ill

Field study of hygrothermal performance of log wall with internal thermal insulation

Arumägi, Endrik; **Ilomets, Simo;** **Kalamees, Targo;** **Tuisk, Tanel** XII International Conference on Durability of Building Materials and Components (XII DBMC), Porto, Portugal, April 12th-15th, 2011 2011 / p. 811-819 : ill
<https://www.irbnet.de/daten/iconda/CIB22427.pdf>

Field study on hygrothermal performance of highly insulated exterior wall in Estonia

Pihelo, Peep; **Kalamees, Targo;** **Kikkas, Henri;** Mauring, Tõnu; Valge, Margus; Valler, Raimond CLIMA 2016 - proceedings of the 12th REHVA World Congress. Vol. 2 2016 / [10] p. : ill http://vbn.aau.dk/files/233715342/paper_188.pdf

Heating system efficiency aspects in low-energy residential buildings = Küttesüsteemi efektiivsuse aspektid madalenergia eluhoonetes

Maivel, Mikk 2015 https://www.ester.ee/record=b4484289*est

Hoone piirdetarindi soojusjuhtivuse arvutusjuhend

Kalamees, Targo 2010 https://www.ester.ee/record=b2563282*est

Hoone piirdetarindi soojusjuhtivuse arvutusjuhend. Osa 1, Välisõhuga kontaktis olev läbipaistmatu piire = Guidance for calculation of thermal transmittance of building envelope. Part 1, Opaque building envelope in contact with outdoor-air

2025 https://www.ester.ee/record=b5733425*est

Hoone piirdetarindi soojuslähivuse arvutusjuhend. Osa 1, Välisõhuga kontaktis olev läbipaistmatu piire [Võrguteavik] = Guidance for calculation of thermal transmittance of building envelope. Part 1, Opaque building envelope in contact with outdoor-air

2016 http://www.ester.ee/record=b4601770*est

Hygrothermal criteria for design and simulation of buildings
Kalamees, Targo 2006 https://www.ester.ee/record=b2226959*est

Hygrothermal criteria for design of cross-laminated timber external walls with ventilated facades = Soojus- ja niiskustehnilised kriteeriumid tuulduva fassaadiga ristkihtliimpuidust välisseinte projekteerimiseks
Kukk, Villu 2022 <https://doi.org/10.23658/taltech.33/2022> <https://digikogu.taltech.ee/et/Item/aedf3ed3-26d7-49be-b386-20cd705ac4b7>
https://www.ester.ee/record=b5501869*est

Hygrothermal performance of a massive stone wall with interior insulation : an in-situ study for developing a retrofit measure

Klõšeiko, Paul; Kalamees, Targo; Arumägi, Endrik; Kallavus, Urve Energy procedia 2015 / p. 195-200 : ill
<https://doi.org/10.1016/j.egypro.2015.11.139> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hygrothermal performance of internally insulated brick wall in cold climate : a case study in a historical school building
Klõšeiko, Paul; Arumägi, Endrik; Kalamees, Targo Journal of building physics 2015 / p. 444-464 : ill
<https://doi.org/10.1177/1744259114532609> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal performance of internally insulated brick wall in cold climate : field measurement and model calibration
Klõšeiko, Paul; Arumägi, Endrik; Kalamees, Targo Contributions to Building Physics : proceedings of the 2nd Central European Symposium on Building Physics : 9-11 September 2013, Vienna, Austria 2013 / p. 185-192 : ill

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 timber frame insulation elements for deep energy renovation of apartment buildings = Puitkarkass-lisasoojustuselementide niiskustehniline toimivus suurpaneelalamute tervikrenoveerimisel
Pihelo, Peep 2020 <https://digikogu.taltech.ee/et/Item/d748bfd-83e0-4377-a8d3-5e7e327e102e>

Ikkuna Virossa tarvitsee lisäeristystä
Sasi, Lennart Rakennustekniikka 1995 / 1, s. 19-21: ill

Impact of ETICS on corrosion propagation of concrete facade
Ilomets, Simo; Kalamees, Targo; Lahdensivu, Jukka; Klõšeiko, Paul Energy procedia 2016 / p. 67-76 : ill
<https://doi.org/10.1016/j.egypro.2016.09.101> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Impact of linear thermal bridges on thermal transmittance of renovated apartment buildings
Ilomets, Simo; Kuusk, Kalle; Paap, Leena; Arumägi, Endrik; Kalamees, Targo Journal of civil engineering and management 2017 / p. 96-104 : ill <https://doi.org/10.3846/13923730.2014.976259> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Increasing construction quality of External Thermal Insulation Composite System (ETICS) by revealing on-site degradation factors
Sulakatko, Virgo; Liisma, Eneli; Soekov, Erki Procedia environmental sciences 2017 / p. 765-772 : tab
<https://doi.org/10.1016/j.proenv.2017.03.160>

Indoor Overheating Risks of Pv-Etics and Dark-Coloured Facades : Experimental and Simulation-Based Assessment
Talvik, Martin; Ilomets, Simo; Kalamees, Targo SSRN 2025 / 16 p <https://doi.org/10.2139/ssrn.5264960>
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5264960

Influence of interior layer properties to moisture dry-out of CLT walls
Kukk, Villu; Külaots, Annegrete; Kers, Jaan; Kalamees, Targo Canadian journal of civil engineering 2019 / p. 1001-1009
<https://doi.org/10.1139/cjce-2018-0591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of moisture dry-out on hygrothermal performance of prefabricated modular renovation elements
Pihelo, Peep; Lelumees, Magnus; Kalamees, Targo Energy procedia 2016 / p. 745-755 : ill
<https://doi.org/10.1016/j.egypro.2016.09.137> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Integrated cost-optimal renovation of apartment buildings toward nearly zero-energy buildings = Korterelamute kuluoptimaalne tervikrenoveerimine liginullenergiahooneks
Kuusk, Kalle 2015 https://www.ester.ee/record=b4482703*est

Jälgi oma maja ja korterit
Sasi, Lennart Ehituskaar 2003 / 1, lk. 6-7 https://artiklid.elnet.ee/record=b1012131*est

Järjekordne teetüli: naaber takistab kortermajale soojustuse paigaldamist : [räägib ka hooneühistut esindav Väino Rajangu]

Jõesaar, Tuuli Eesti Päevaleht 2014 / lk. 2-3 <https://epi.delfi.ee/artikkel/68901521/jarjekordne-teetuli-naaber-takistab-kortermajale-soojustuse-paigaldamist>

Katuse niiskus- ja soojustoimivus

Kalamees, Targo Pööning : ajalooga majad, aiad ja disainiklassika 2020 / lk. 86-90 : ill https://www.ester.ee/record=b4516546*est

Kodu tervislikuks : [nõuandeid jagavad Lennart Sasi jt.]

Sasi, Lennart; Tross, Madis Kodukiri 2004 / 1, lk. 42-44 https://artiklid.elnet.ee/record=b2043775*est

Kooliruumi soojusolukorra olenevus välispiiretest

Paalmann, Malle 1967 http://www.ester.ee/record=b2199472*est

Korterelamute välispiirete lisasoojustamise sõlmejoonised ja tüüpkorterite ventilatsioonilahendused

Kalamees, Targo; Thalfeldt, Martin; Meos, Heiki; Laas, Margus; Zelenski, Maksim; Kurnitski, Jarek; Diligentov, Eduard; Bõkova, Larissa 2015

Kui mul on kavas osta vanem puumaja

Sasi, Lennart Keskkonnatehnika 2004 / 2, lk. 19-20 https://artiklid.elnet.ee/record=b1015272*est

Kuidas vana palkelamut läbimõeldult soojustada?

Alev, Üllar Ehitaja 2013 / lk. 51-55 : ill https://artiklid.elnet.ee/record=b2634323*est

Kuiv ja soe karjalaut

Jürgenson, Leo 1951 https://www.ester.ee/record=b1271081*est

Lauda niiskuse, soojuste ja CO₂-sisalduse olenevus piirdetarinditest ja õhustusseadmeist = Зависимость режима влажности, теплоты и содержания CO₂ в помещениях для сельскохозяйственных животных от ограждающих конструкций и установок аэраций

Jürgenson, Leo 1951 https://www.ester.ee/record=b1144387*est <https://digikogu.taltech.ee/et/Item/e4b09a2d-b6d6-45b6-a8e7-7bf8a0b58f97>

Lauda soojamajandus ja õhustus

Jürgenson, Leo 1949 https://www.ester.ee/record=b1455982*est

Laudalae soojamajandus

Jürgenson, Leo Tehnika ja Tootmine 1964 / lk. 7-8 ; 2 joon https://www.ester.ee/record=b1073047*est

Lihtsad sammud elektri säästmiseks

Kodu & Ehitus : TM 2023 / lk. 40-42 : fot https://www.ester.ee/record=b1740684*est

Linna hoonete soojapidavus kindlamaks : [vestlus Ülo Kasega]

Kask, Ülo Oma Saar 1997 / 23. juuli, lk. 8

Long term measurements and HAM modelling of an interior insulation solution for an office building in cold climate

Klõšeiko, Paul; Kalamees, Targo 7th International Building Physics Conference IBPC2018: Healthy, Intelligent and Resilient Buildings and Urban Environments: proceedings : Syracuse, NY, USA, September 23-26, 2018 2018 / p. 1419-1424 : ill <http://ibpc2018.org/wp-content/uploads/2018/11/FINAL-IBPC2108-Proceedings.pdf>

Maja välisseinte soojustamisel on esmatähtis valida õige toode

Hääl, Kaido; Sasi, Lennart Eesti Päevaleht 2002 / 24. apr., lk. 14 <https://arileht.delfi.ee/artikkel/50921490/maja-valisseinte-soojustamisel-on-esmatahtis-valida-oiige-toode>

Measured hygrothermal performance of energy activated facade in cold climate

Talvik, Martin; Kalamees, Targo; Ilomets, Simo Journal of building physics 2025 / p. 1-27 <https://doi.org/10.1177/174425912413124>

Methodological framework to assess the significance of External Thermal Insulation Composite System (ETICS) on-site activities

Sulakatko, Virgo; Lill, Irene; Witt, Emlyn David Qivitoq Energy procedia 2016 / p. 446-454 : ill <https://doi.org/10.1016/j.egypro.2016.09.176> Conference Proceedings at Scopus Article at Scopus Article at WOS

Modelling construction process impact factors on degradation of thin rendered facades = Ehitusprotsessi mõjufaktorite modelleerimine õhekrohv fassaadide lagunemisel = Methode zur Bewertung der Relevanz von beeinflussenden Faktoren im Bauprozess auf die Mängelfreiheit von Wärmedämmverbundsystemen

Sulakatko, Virgo 2019 <https://digi.lib.ttu.ee/i/?11575>

Modelling the technical–economic relevance of the ETICS construction process

Sulakatko, Virgo Buildings 2018 / art. 155, 26 p. : ill <https://doi.org/10.3390/buildings8110155> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Moisture dry-out from steel faced insulated sandwich panels

Kalbe, Kristo; Piikov, Hubert; **Kurnitski, Jarek**; **Kalamees, Targo** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 / art. 17007, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017217007> Conference proceedings at Scopus Article at Scopus Article at WOS

Möödunud külm talv tõi ehitusvead välja

Sasi, Lennart Äripäev 2003 / 7. mai, lk. 13 <https://www.aripaev.ee/uudised/2003/05/06/moodunud-kulm-talv-toi-ehitusvead-valja>

Nõuandeid välisseinte soojustamiseks

Hääl, Kaido; **Sasi, Lennart** Maaleht 2002 / 27. juuni, Targu Talita, lk. 415

On design principles and calculation methods related to air leakages and thermal bridges in well-insulated building envelopes = Õhulekete ja külmasildade mõju hindamise ja arvutamise põhimõtted hästi soojustatud piirdetarindite projekteerimisel

Hallik, Jaanus 2022 <https://doi.org/10.23658/taltech.28/2022> <https://digikogu.taltech.ee/et/item/cb3446bc-a53c-4fe7-8ae8-4881ae5867ac> https://www.ester.ee/record=b5501130*est

Oskamatu soojustamine teeb hea asemel kurja : [vastab Lennart Sasi]

Sasi, Lennart; Paju, Taivo Remont ja sisustus : [Postimehe kaasanne] 2001 / lk. 19-20

Oskamatult soojustatud hoone muutub niiskeks ja külmaks

Hääl, Kaido; **Sasi, Lennart** Äripäev 2002 / 20. märts, lk. 11 <https://www.aripaev.ee/uudised/2002/03/19/oskamatul-soojustatud-hoone-muutub-niiskeks-ja-kulmaks>

Otsi säästu igalt rindelt: õige küttesüsteem toob kopsaka rahalise võidu

Raik, Jaan Martin Äripäev 2022 / Lk. 8-9 : fot [Otsi säästu igalt rindelt: õige küttesüsteem toob kopsaka rahalise võidu](https://www.ester.ee/record=b1071975*est) https://www.ester.ee/record=b1071975*est

Paneel- ja kivimajade soojustamisest

Õiger, Karl; Teppe, Ants Eesti Päevaleht 1996 / 18. apr. Kulutaja, lk. 7

Paneelmaja vajab soojakaitset : [õpetusi jagab Karl Õiger]

Õiger, Karl; Sultson, Siim Äripäev 2006 / 20. sept., lk. 16 : ill <https://www.aripaev.ee/uudised/2006/09/19/paneelmaja-vajab-soojakaitset>

Pangad soovivad koduomanikel tegutseda, enne kui on hilja

postimees.ee 2022 [Pangad soovivad koduomanikel tegutseda, enne kui on hilja](https://www.ester.ee/record=b1071975*est)

PCSP's diagonal tie connectors thermal bridges impact on energy performance and operational cost : case study of a high-rise residential building in Estonia

Kiil, Martin; **Käärid, Martin-Sven**; **Klõšeiko, Paul**; **Võsa, Karl-Villem**; **Simson, Raimo**; **Sarevet, Henri**; **Thalfeldt, Martin**; **Kurnitski, Jarek** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 / art. 80060, 8 p. : ill <https://doi.org/10.1051/e3sconf/202017208006> Conference proceedings at Scopus Article at Scopus Article at WOS

Performance of interiorly insulated log wall : Experiences from Estonian cold climate conditions

Kalamees, Targo; **Arumägi, Endrik**; **Alev, Üllar** Conference Report : The 3rd International Conference on Energy Efficiency in Historic Buildings 2018 / p. 99-107 : ill <http://eehb2018.com/wp-content/uploads/2018/09/Conference-Report-The-3rd-International-Conference-on-Energy-Efficiency-in-Historic-Buildings.pdf>

Piirde optimaalne soojustamine ja selle niiskusežiim

Sasi, Lennart Ehituskaar 2000 / 3, lk. 22-24 : ill https://artiklid.elnet.ee/record=b1003622*est

Piirde soojustamine vajab läbimõttlemist

Hääl, Kaido; **Sasi, Lennart** Ehitaja 2001 / 12, lk. 29-30 https://artiklid.elnet.ee/record=b1008536*est

Quantification of building envelope heat losses on a district level for comparative renovation strategies assessment

Arumägi, Endrik; **Hallik, Jaanus**; **Pikas, Ergo**; **Kalamees, Targo**; **Liiv, Innar**; **Kisel, Einari** Journal of Physics: Conference Series 2023 / 10 p <https://doi.org/10.1088/1742-6596/2654/1/012003> Conference proceedings at Scopus Article at Scopus

Reduction of heat loss in the district heating network by the replacement of pipe insulation using prefabricated polyurethane foam shells

Mašatin, Vladislav; Volkova, Anna; Hlebnikov, Aleksandr DHC13 : the 13th International Symposium on District Heating and Cooling : September 3rd to September 4th, 2012, Copenhagen, Denmark 2013 / p. 163-166

Reliability of interior thermal insulation as a retrofit measure in historic wooden apartment buildings in cold climate
Arumägi, Endrik; Pihlak, Margus; Kalamees, Targo Energy procedia 2015 / p. 871-876 : ill
<https://doi.org/10.1016/j.egypro.2015.11.010> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Renovation alternatives to improve energy performance of historic rural houses in the Baltic Sea region
Alev, Üllar; Eskola, Lari; Arumägi, Endrik; Kalamees, Targo Energy and buildings 2014 / p. 58-66 : ill
<https://doi.org/10.1016/j.enbuild.2014.03.049> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Renovation of historic wooden apartment buildings = Ajalooliste puitkorterelamute renoveerimine
Arumägi, Endrik 2015 http://www.ester.ee/record=b4483126*est

A research project on the temperature and humidity conditions, ventilation and airtightness of Finnish detached houses
Vinha, Juha; Korpi, Minna; **Kalamees, Targo**; Eskola, Lari; Palonen, J.; **Kurnitski, Jarek**; Valovirta, I.; Mikkilä, A.; Jokisalo, Juha
Final report of the IEA Annex 41 Whole Building Heat Air and Moisture Response - Subtask 3 : Boundary Conditions and Whole Building HAM Analysis 2008 / p. 157-174

Residential buildings with heat pumps peak power reduction with high performance insulation
Sarevet, Henri; Fadejev, Jevgeni; Thalfeldt, Martin; Kurnitski, Jarek E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 12008, 5 p. : ill
<https://doi.org/10.1051/e3sconf/202017212008> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Segadus soojusisolatsioonimaterjalide ümber
Laur, Toomas Ehitaja 2002 / 12, lk. 12-13 https://artiklid.elnet.ee/record=b1011317*est

Selection of the insulation materials for refurbishment purposes
Lill, Irene; Kanapeckiene, Loreta; Tupenaite, Laura; Naimaviciene, Jurga Engineering structures and technologies 2017 / p. 104-115 : ill <https://doi.org/10.3846/2029882X.2017.1339296>

Sobimatu soojustus rikub maja
Sasi, Lennart Postimees 2001 / 8. nov., lk. [19]

Soojusisolatsioon- ja ehitusmaterjalide soojusjuhtivusteguri määramise meetodika
Tiikma, Toomas; Viilmann, Illar 1997 https://www.ester.ee/record=b1053785*est

Soojusmajanduse korrastamine aktsiaseltsis Põlva Piim
Kask, Ülo Keskkonnatehnika 2002 / 5, lk. 20 https://artiklid.elnet.ee/record=b1011029*est

Soojustamisest
Kalamees, Targo Pööning : ajalooga majad, aiad ja disainiklassika 2017 / lk. 86-90

Soojustus - milline lahendus valida?
Kalamees, Targo Eramaja rekonstrueerimine : väärt nõuanded, praktilised näpunäited ja kogu vajalik info kodu korrastamiseks 2019 / lk. 16-18 : fot https://issuu.com/sihtasutus_kredex/docs/kredex_eramaja_aprill2019 https://www.ester.ee/record=b5232716*est

Soojustus säästab lisakütet
Sasi, Lennart Oma Maja : Äripäeva Kuukiri 2000 / 4, juuni, lk. 22

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>

Summertime overheating prevention requirements and results in Estonia
Simson, Raimo; Kurnitski, Jarek; Maivel, Mikk The REHVA European HVAC journal 2015 / p. 23-27 : ill

Teadmatus võib soojustamisel valusalt kätte maksta : [ka TTÜ uuringust Eesti korterelamute ehitustehnilisest seisukorrast, mida tutvustas TTÜ prof. Targo Kalamees]
Sommer-Kalda, Sirle Põhjarannik 2011 / lk. 5 : ill

Teadmatus võib soojustamisel valusalt kätte maksta : [Kohtla-Järve linnavalitsuse seminar korteriühistujuhtidele, kus TTÜ prof Targo Kalamees tutvustas TTÜ uuringute tulemusi kivimajade ehitustehnilisest seisukorrast]
Sommer-Kalda, Sirle Põhjarannik 2011 / lk. 5 : ill

Tehnikadoktor Karl Õigeri arvamus Serporock välisseinte lisasoojustamise ja välisviimistluse meetodi kohta
Õiger, Karl Ehitame 1994 / nr. 33, nov., lk. 5

Tehniliste paigaldiste termiline isoleerimine [Võrguteavik] : torustikud, mahutid ja seadmed. Soojusisolatsiooni teostus = Thermal insulation of technical equipment : insulation of pipes, vessels and equipment. Application of thermal insulation
2020 https://www.ester.ee/record=b5381894*est

Tehniliste paigaldiste termiline isoleerimine. Osa 1, Torustikud, mahutid ja seadmed. Isolatsioonimaterjalid ja -elemendid [Võrguteavik] = Thermal insulation of technical equipment. Part 1, Insulation of pipes, vessels and equipment. Insulating materials and elements
2020 https://www.ester.ee/record=b5381873*est

Tehniliste paigaldiste termiline isoleerimine. Osa 6, Torustikud, mahutid ja seadmed. Külmaisolatsioon [Võrguteavik] = Thermal insulation of technical equipment. Part 6, Insulation of pipes, vessels and equipment. Cold insulation
2020 https://www.ester.ee/record=b5381882*est

The economic relevance of on-site construction activities with the external thermal insulation composite system (ETICS)
Sulakatko, Virgo International journal of strategic property management 2019 / p. 213–226 : ill <https://doi.org/10.3846/ijspm.2019.7071>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of flanking element length in thermal bridge calculation and possible simplifications to account for combined thermal bridges in well insulated building envelopes
Hallik, Jaanus; Kalamees, Targo Energy and buildings 2021 / art. 111397 <https://doi.org/10.1016/j.enbuild.2021.111397> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of temperature and humidity on the permanence of external thermal insulation composite systems
Liisma, Eneli; Lõhmus, Gert; Raado, Lembi-Merike Procedia engineering 2015 / p. 340-348 : ill <https://doi.org/10.1016/j.proeng.2015.06.156> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The integration of selected technology to energy activated ETICS - theoretical approach
Heim, Dariusz; Chodak, Ivan; Ilomets, Simo; Knera, Dominika; Wieprzkowicz, Anna; Kalamees, Targo E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 21004, 7 p. : ill <https://doi.org/10.1051/e3sconf/202017221004> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Thermal performance of ETICS, energy activated with PCM and PV
Talvik, Martin; Ilomets, Simo; Kalamees, Targo; Klõšeiko, Paul; Heim, Dariusz; Wieprzkowicz, Anna; Knera, Dominika Journal of physics : conference series 2021 / art. 012116, p. 1-8 : ill <https://doi.org/10.1088/1742-6596/2069/1/012116> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Thermal performance of wedge pile slab foundation without frost protection insulation and highly insulated slab on ground floor – first year measurements
Lomp, Siim; Kalamees, Targo; Hallik, Jaanus; Needo, Roomelt Journal of Physics: Conference Series 2023 / art. 012110 <https://doi.org/10.1088/1742-6596/2654/1/012110> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Towards Nearly Zero-Energy Buildings through analyzing reasons for degradation of facades
Sulakatko, Virgo; Lill, Irene; Soekov, Erki; Arhipova, Riina; Witt, Emlyn David Qivitoq; Liisma, Eneli Procedia economics and finance 2014 / p. 592-600 : ill

Armeeritud tellistalad : proovitulemusi ja dimensioneerimise aluseid
Maddison, Ottomar; Oengo, Hugo 1941 https://www.ester.ee/record=b1554448*est <https://digikogu.taltech.ee/et/Item/3ccdae61-4024-4322-85e0-4343177530fb>

Tsisternide soojusisoleerimisest masuudi väljaveol
Sillat, Rein Autotransport ja Maanteed : informatsiooniseeria 8 1985 / lk. 4-7 : ill https://www.ester.ee/record=b1181335*est

Tulekindlatest tarindusviisidest : [välis- ja vaheseina tarindusviiside võrdlus]
Jürgenson, Leo Tehnika Ajakiri 1938 / lk. 289-302 : joon., fot <https://digikogu.taltech.ee/et/Item/149d4e66-a7e9-4d49-b815-c1eaac0ce37a>
https://www.ester.ee/record=b1218186*est

Tulekindlatest tarindusviisidest
Jürgenson, Leo 1939 https://www.ester.ee/record=b1413309*est <https://www.etera.ee/zoom/11740/view?>

Tänapäevane renoveerimine : lodžast saab siseruumi osa = Современная реновация : лоджия может стать частью помещения
Elamu 2017 / lk. 15-18 : ill ; c. 39-42 : ил

Vale soojustus rikub hoone sisekliima

Sasi, Lennart Äripäev 2001 / 24. okt., lk. 15 <https://www.aripaev.ee/uudised/2001/10/23/vale-soojustus-rikub-hoone-sisekliima>

Välisseina soojustus ja viimistlus

Jürgenson, Leo Tehnika ja Tootmine 1964 / lk. 13-15 ; joon., tab https://www.ester.ee/record=b1073047*est

Välisseinte soojapidavuse mõõtmiste tulemustest : kokkuvõte Insenerikoja välisseinte uurimise komisjoni [L.Jürgensoni juhatusel] töödest a. 1937-1939

1939 https://www.ester.ee/record=b1610841*est

Альтернативные теплоизоляционные материалы для зданий с деревянным каркасом

Kalamees, Targo Строитель 2002 / 4, с. 12-15 https://artiklid.elnet.ee/record=b1010942*est

Банки советуют домовладельцам действовать, пока не поздно

rus.postimees.ee 2022 [Банки советуют домовладельцам действовать, пока не поздно](#)

Влажностный режим органического утеплителя в стене хивотноводческого помещения

Kikas, Verner Проблемы строительной теплофизики : труды межвузовской научной конференции совместно с работниками промышленности, научно-исследовательских и проектных институтов и Белорусского правления НТО стройиндустрии : 1-4 февраля 1964 г., Минск 1964 / с. 353-365 : илл https://www.ester.ee/record=b3004675*est

Влияние ограждений на здание и его микроклимат

Kalamees, Targo Строитель 2003 / 4, с. 11-13 : ил https://artiklid.elnet.ee/record=b1014222*est

Зависимость теплового режима школьных помещений от ограждающих конструкций : автореферат ... кандидата технических наук

Paalman, Malle 1967 http://www.ester.ee/record=b1520762*est

Исследование динамики температурного поля коровников при различных видах утепления подземных частей здания : автореферат ... кандидата технических наук (05.488)

Kompus, Valdo 1971 http://www.ester.ee/record=b1410960*est

Исследование динамики температурного поля под коровником при различных видах утепления подземных частей здания : диссертация ... кандидата технических наук : 488 - теория и испытание сооружений

Kompus, Valdo 1971 http://www.ester.ee/record=b2252860*est

Методика учета в технико-экономических расчетах животноводческих помещений факторов теплоизоляции и заселенности

Jürgenson, Leo Микроклимат животноводческих помещений : материалы к докладам 1969 / с. 6-10
https://www.ester.ee/record=b1347424*est

Модифицированные алкилрезорцин-формальдегидные смолы для склеивания теплоизоляционных и отделочных материалов

Christjanson, Peep; Süld, Tiia-Maaja Перспективы создания и использования новых высокоэффективных клеящих материалов в народном хозяйстве 1988 / с. 11-13

Наружные стены с органической засыпкой в условиях Эстонской ССР : автореферат ... кандидата технических наук

Jürisson, Nikolai 1956 http://www.ester.ee/record=b1387915*est

Об экспериментальном исследовании теплоизоляции винтового канала высокотемпературного электромагнитного насоса

Reimal, Lembit; Risthein, Endel Электрические машины 1971 / с. 234-240 https://www.ester.ee/record=b1426082*est

Об эффективности видов утеплений на потерю тепла через пол коровника

Kompus, Valdo Труды по строительной механике : сборник статей. 3 1970 / с. 77-84 : илл https://www.ester.ee/record=b2189980*est
<https://digikogu.taltech.ee/et/Item/cb50984d-414d-4d6b-bd3f-9e9456870054>

Температурно-влажностный режим существующих картофелехранилищ и методы его регулирования в условиях Центральной зоны СССР : автореферат ... кандидата технических наук

Jekimov, Sergei 1963 http://www.ester.ee/record=b1545867*est

Температурно-влажностный режим существующих картофелехранилищ и методы его регулирования в условиях Центральной зоны СССР : (зимний период хранения продовольственного картофеля)

Jekimov, Sergei 1964 http://www.ester.ee/record=b2186404*est

Тепловая экономика жилого здания

Jürgenson, Leo 1949 https://www.ester.ee/record=b1521035*est

Тепловой баланс пола коровника

Joorits, Lembit Проблемы строительной теплофизики : труды межвузовской научной конференции совместно с работниками промышленности, научно-исследовательских и проектных институтов и Белорусского правления НТО стройиндустрии : 1-4 февраля 1964 г., Минск 1964 / с.365-369 https://www.ester.ee/record=b3004675*est

Экономика теплоизоляции

Jürgenson, Leo Проблемы строительной теплофизики : труды межвузовской научной конференции совместно с работниками промышленности, научно-исследовательских и проектных институтов и Белорусского правления НТО стройиндустрии : 1-4 февраля 1964 г., Минск 1965 / с. 132-135 https://www.ester.ee/record=b3004675*est