

### **Airtightness of cross-laminated timber envelopes : influence of moisture content, indoor humidity, orientation, and assembly**

**Kukk, Villu; Bella, Adeniyi; Kers, Jaan; Kalamees, Targo** Journal of building engineering 2021 / art. 102610  
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### **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.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>

### **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>

### **Design guidelines of CLT external wall based on stochastic analysis**

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### **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  
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### **The effect of material selection, design, and construction on the service life and appearance of a wooden building**

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### **Exploring the performance of CLT external walls enhanced with wood-fibre-based ETICS: preliminary field measurement insights**

**Kukk, Villu; Kalamees, Targo** Multiphysics and Multiscale Building Physics: Proceedings of the 9th International Building Physics Conference (IBPC 2024) ; Volume 3: Building Systems and HVAC Technologies 2025 / p. 392-397 [https://doi.org/10.1007/978-981-97-8313-7\\_54](https://doi.org/10.1007/978-981-97-8313-7_54)

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### **Hygrothermal criteria for design of cross-laminated timber external walls**

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### **Hygrothermal criteria for design of cross-laminated timber external walls with ventilated facades = Soojus- ja niiskustehnilised kriteeriumid tuulduva fassaadiga riskihtiilimpuidust välisseinte projekteerimiseks**

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### **Impact of built-in moisture on the design of hygrothermally safe cross-laminated timber external walls : a stochastic approach**

**Kukk, Villu; Kers, Jaan; Kalamees, Targo; Wang, Lin; Ge, Hua** Building and environment 2022 / art. 109736 <https://doi.org/10.1016/j.buildenv.2022.109736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**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](#)

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

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

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**Kukk, Villu; Kalamees, Targo; Kers, Jaan** Journal of building physics 2019 / p. 171-186 : ill <https://doi.org/10.1177/1744259119866869> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Kukk, Villu; Kers, Jaan; Kalamees, Targo** Journal of physics : conference series 2021 / p. 2-4 : ill <https://doi.org/10.1088/1742-6596/2069/1/012208> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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