

Circular renovation of an apartment building with prefabricated additional insulation elements to nearly zero energy building

Nigumann, Eero; Kalamees, Targo; Kuusk, Kalle; Pihelo, Peep Journal of sustainable architecture and civil engineering 2024 / p. 22-34 <https://doi.org/10.5755/j01.sace.34.1.35674>

Circular renovation of an apartment building with prefabricated insulation elements

Nigumann, Eero; Kalamees, Targo; Kuusk, Kalle; Pihelo, Peep 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 96-97 : ill <https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

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

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Commissioning of thermal performance of prefabricated timber frame insulation elements for nZEB renovation

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Deep energy renovation of old concrete apartment building to nZEB by using wooden modular element

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