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Austria | Singapore

The 5th International Conference
on Energy Efficiency in Historic Buildings



CarbonClay as a sustainable solution for historic buildings' refurbishment

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INNOVATION FROM VORARLBERG

Biochar-clay composites as internal insulation



Boards



Briks



Plasters

natürlich
bauen

Development of insulation boards

optimization & testing | 2023 - 2026

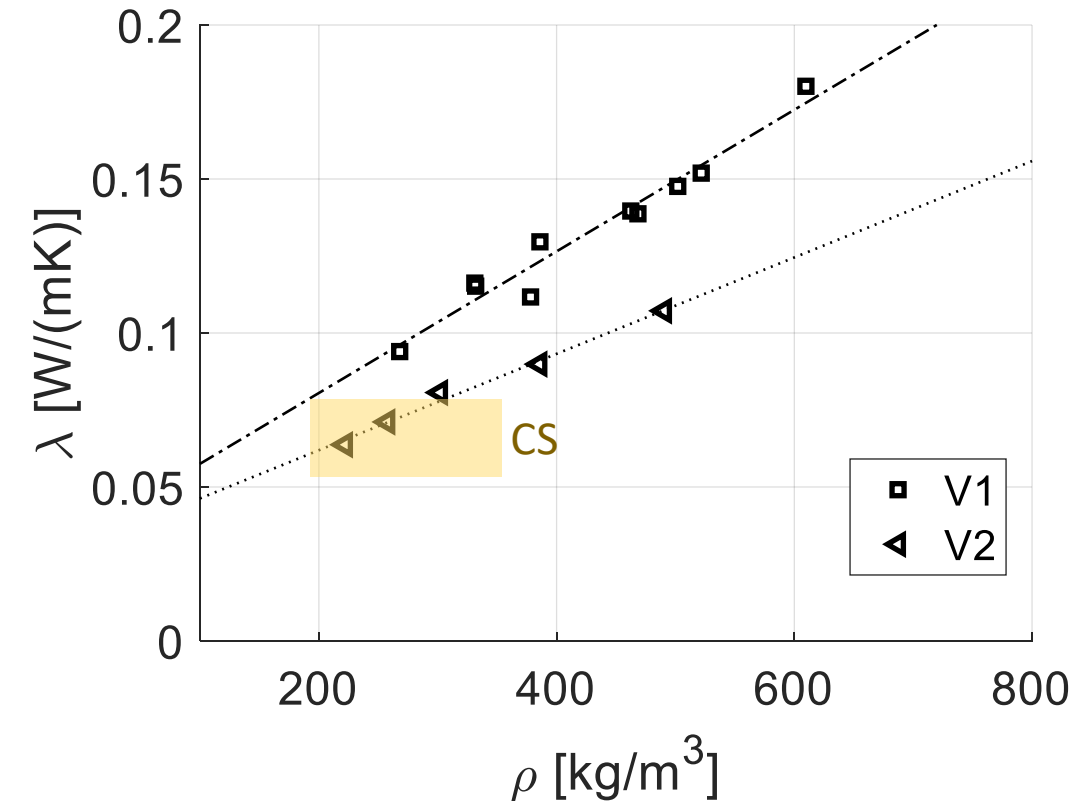


Biochar + Clay = CarbonClay



- natural, ecological building material without harmful additives
- ideal combination of positive properties of the raw materials
- **well combinable with historic building materials, and reversible solutions**

Thermal conductivity



Hygrothermal properties' characterization indicates CarbonClay is suitable as capillary-active diffusion-open internal insulation

EU-research project

Demonstration and monitoring | 2024 - 2028



Warschau - PL



Cordoba - ES

17 research partners
4 demo-cases
in 4 climatic-zonen



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THANK YOU!

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