

## Accepted Manuscript

Hygrothermal initial condition for simulation process of green building construction

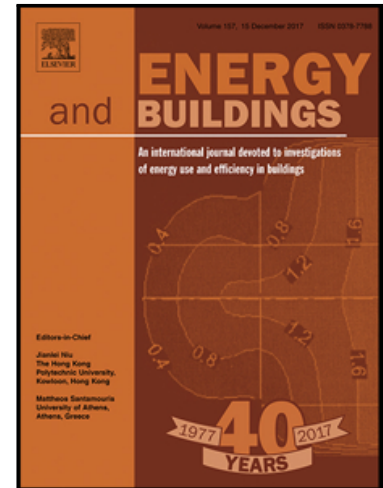
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**Highlights**

- Water content condition's impact on green roof's hygrothermal behaviour is shown.
- Impact of water content in substrate on roof membrane temperature is presented.
- Impact of water content in substrate on reducing heat flow through the roof is shown.
- Simulation tools application into green roof design process in Slovakia is emphasised.

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