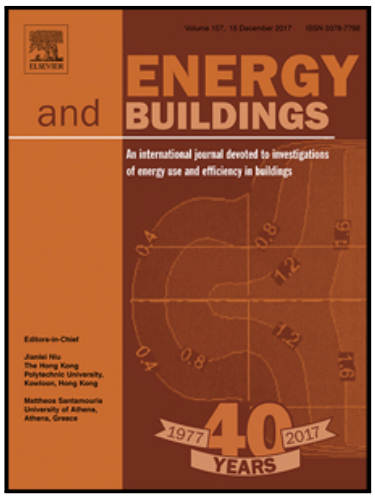

Overheating protection of solar thermal façades with latent heat storages based on paraffin-polymer compounds

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PII: S0378-7788(17)31658-4
DOI: 10.1016/j.enbuild.2018.03.068
Reference: ENB 8454

To appear in: *Energy & Buildings*

Received date: 10 May 2017
Revised date: 21 November 2017
Accepted date: 28 March 2018

Please cite this article as: Katharina Resch-Fauster , Florian Hengstberger , Christoph Zauner , Stefan Holper , Overheating protection of solar thermal façades with latent heat storages based on paraffin-polymer compounds, *Energy & Buildings* (2018), doi: 10.1016/j.enbuild.2018.03.068

Highlights

- Latent heat storage as overheating protection device in solar thermal façade collector
- Development of high-temperature latent heat storage based on polymeric materials
- Integration of latent heat storage panels in insulation of solar thermal collector, comprehensive solar simulator testing and prove of concept
- Prove of application relevant overheating protection efficiency – enhancement of building thermal comfort
- Corroboration of theoretical modeling