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

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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

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