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Experimental investigation of optical and thermal performance of a PCM-glazed unit
for building applications

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Highlights:

- Thermal and optical effectiveness of the PCM-glazed unit were experimental investigated.
- Effect of solar irradiance, PCM melting temperature and layer thickness were analyzed.
- Due to its effect on thermal and optical performance, thickness below 16mm is recommended.

Abstract:

In present work, optical and thermal performances of a PCM-glazed unit were experimentally investigated compared with that filled with air, and the influences of

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