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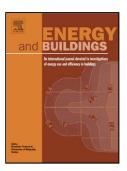
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Experimental investigation of optical and thermal performance of a PCM-glazed unit

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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