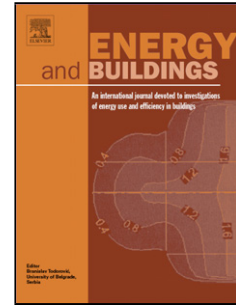


## Accepted Manuscript

Title: Experimental analysis of thermal performance in buildings with shape-stabilized phase change materials

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PII: S0378-7788(17)31640-7  
DOI: <http://dx.doi.org/doi:10.1016/j.enbuild.2017.07.076>  
Reference: ENB 7816

To appear in: *ENB*

Received date: 9-5-2017  
Revised date: 20-6-2017  
Accepted date: 26-7-2017

Please cite this article as: Hyun Bae Kim, Masayuki Mae, Youngjin Choi, Takeshi Kiyota, Experimental analysis of thermal performance in buildings with shape-stabilized phase change materials, Energy and Buildings <http://dx.doi.org/10.1016/j.enbuild.2017.07.076>

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Title:

Experimental analysis of thermal performance in buildings with shape-stabilized phase change materials

## Highlights

- Three identical huts using varying shape-stabilized PCMs (SSPCM) levels were examined for verifying the effect of indoor thermal stabilizing.
  - The heat-storage performance changes depending on the installation area and position, even when the same amount of PCM.
  - The higher thermal benefit was achieved when the PCM was applied on the floor which receives direct solar radiation and when the applied area was expanded.
  - The effect of reducing heating power was doubled when the applied area was expanded from the floor to the entire surface.
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