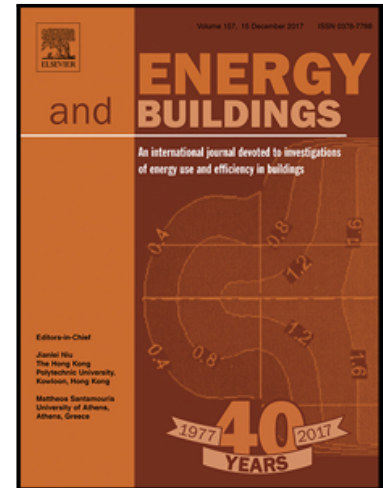


Accepted Manuscript

New formulation and characterization of enhanced bulk-organic phase change materials

Anabel Palacios , Alvaro de Gracia , Luisa F. Cabeza , Enrique Julià , A. Inés Fernández , Camila Barreneche

PII: S0378-7788(17)30230-X
DOI: [10.1016/j.enbuild.2018.01.069](https://doi.org/10.1016/j.enbuild.2018.01.069)
Reference: ENB 8349



To appear in: *Energy & Buildings*

Received date: 16 May 2017
Revised date: 5 December 2017
Accepted date: 26 January 2018

Please cite this article as: Anabel Palacios , Alvaro de Gracia , Luisa F. Cabeza , Enrique Julià , A. Inés Fernández , Camila Barreneche , New formulation and characterization of enhanced bulk-organic phase change materials, *Energy & Buildings* (2018), doi: [10.1016/j.enbuild.2018.01.069](https://doi.org/10.1016/j.enbuild.2018.01.069)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- This is the first experimental about the fire reaction behaviour by testing bulk-PCM
- Paraffin RT-21 and fatty acid mixtures fire reaction in bulk-form were evaluated
- Fire retardancy was enhanced by the addition of hydromagnesite and $Mg(OH)_2$
- Fatty acids enthalpy decreased by the addition of flame retardants
- For paraffin, melting enthalpy did not decrease with flame retardants addition

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6728304>

Download Persian Version:

<https://daneshyari.com/article/6728304>

[Daneshyari.com](https://daneshyari.com)