Accepted Manuscript

The incorporation of modified Sb_2O_3 and DBDPE: A new member of high solar-reflective particles and their simultaneous application in next-generation multifunctional cool material with improved flame retardancy and lower wetting behaviour

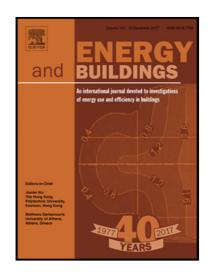
Yanli Qi, Suoshi Zhu, Jun Zhang

PII: \$0378-7788(17)33415-1 DOI: 10.1016/j.enbuild.2018.04.050

Reference: ENB 8523

To appear in: Energy & Buildings

Received date: 14 October 2017
Revised date: 8 April 2018
Accepted date: 23 April 2018



Please cite this article as: Yanli Qi , Suoshi Zhu , Jun Zhang , The incorporation of modified Sb_2O_3 and DBDPE: A new member of high solar-reflective particles and their simultaneous application in next-generation multifunctional cool material with improved flame retardancy and lower wetting behaviour, *Energy & Buildings* (2018), doi: 10.1016/j.enbuild.2018.04.050

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.

ACCEPTED MANUSCRIPT

Highlights

- Sb₂O₃ and DBDPE can be used as solar-reflective particles and flame retardants.
- The novel solar reflectance property improves as Sb₂O₃ combines with DBDPE.
- Multifunctional material performs excellent cooling property.
- Multifunctional material performs flame retardancy and a lower wetting behavior.
- Next-generation multifunctional cool material is successfully fabricated.



Download English Version:

https://daneshyari.com/en/article/6727319

Download Persian Version:

https://daneshyari.com/article/6727319

<u>Daneshyari.com</u>