Accepted Manuscript

Two new methods for the in-situ measurement of the overall thermal transmittance of cold frame lightweight steel-framed walls

Ioannis A. Atsonios, Ioannis D. Mandilaras, Dimos A. Kontogeorgos, Maria A. Founti

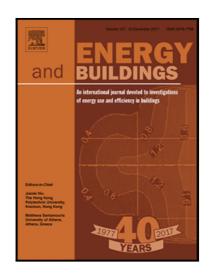
PII: S0378-7788(17)33917-8

DOI: 10.1016/j.enbuild.2018.03.069

Reference: ENB 8455

To appear in: Energy & Buildings

Received date: 1 December 2017 Revised date: 6 March 2018 Accepted date: 29 March 2018



Please cite this article as: Ioannis A. Atsonios, Ioannis D. Mandilaras, Dimos A. Kontogeorgos, Maria A. Founti, Two new methods for the in-situ measurement of the overall thermal transmittance of cold frame lightweight steel-framed walls, *Energy & Buildings* (2018), doi: 10.1016/j.enbuild.2018.03.069

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.

ACCEPTED MANUSCRIPT

Highlights

- Measurement of U-value for lightweight steel frame (LSF) walls, $U_{overall}$
- ullet Two new methods for in-situ measurement of the $U_{\it overall}$ for cold frame walls
- Theoretical analysis of the methods on cold and hybrid LSF walls
- Experimental validation of methods on a cold frame LSF wall



Download English Version:

https://daneshyari.com/en/article/6727873

Download Persian Version:

https://daneshyari.com/article/6727873

<u>Daneshyari.com</u>