



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	MS: 2013_BJAST_4430
Title of the Manuscript:	High performance thermal properties of natural pumice-based bricks

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Quiero dar las gracias a los autores por el esfuerzo realizado en la modificación del artículo y por tener en cuenta mis observaciones. El trabajo ha mejorado notablemente. I want to thank the authors for their efforts in modifying the article and consider my remarks. The work has significantly improved. Pese a todo quedan aún algunas consideraciones de interés: Nevertheless there are still some interesting considerations: Líneas 190-191: Es de suponer, aunque no lo especifica, que se haya controlado el contenido de humedad previamente al ensayo de conductividad. Lines 190-191: Presumably, although not specified, moisture content has been controlled before testing conductivity. ??? Línea 309: No está claramente especificado el análisis estadístico que se ha realizado con las 4 muestras citadas en la línea 298, para llegar al valor de la conductividad térmica de 0,336 W/m-K. Line 309: It is not clearly specified the statistical analysis carried out with the 4 samples, mentioned in line 298, to reach the thermal conductivity value of 0.336 W/m-K. Líneas 329-333: Debe especificarse con respecto a qué ladrillos perforados y ladrillos aligerados se calculan los porcentajes que se indican. Parecen excesivamente elevados los porcentajes de reducción de la conductividad o se ha producido un error y se ha calculado la reducción respecto a ladrillos macizos. (En España se comercializan ladrillos huecos con conductividades de 0.32 W/m-K y ladrillos huecos aligerados con conductividades menores, 0,28 W/m-K). Por ejemplo, ver la web: http://www.ceramicasampetro.com Lines 329-333: You must specify which hollow bricks and lightened bricks are the references to calculate the indicated percentages. Seem excessively high, the rate of reduction of conductivity or an error has occurred and the reduction has been estimated from solid bricks. (In Spain, hollow bricks are marketed with conductivities of 0.32 W/m-K and lightened hollow bricks with lower conductivity, 0.28 W/m-K). For instance, see the webpage: http://www.ceramicasampetro.com	We gratefully acknowledge the reviewer suggestions to improve the manuscript Reviewer comment is very important; the moisture content has been controlled before thermal conductivity testing. For this reason, it is specified in lines 190-198. We agree in the concept about that statistical analysis support the results. In the same way, the statistical analysis consists in the average of four samples. Otherwise, no further full statistical analysis was done as well as SE Mean, StDev, Minimum, Q1, Median, Q3, Maximum or other parameters, because the Mean is the basically required value. The values are consistently with low variation around the founded 0,336 W/m-K. We changed the paragraph along with reviewer suggestion; consequently we expect the reviewer and editor agreement to the new version.