

UK Passivhaus uptake: the role of the Passivhaus Trust

Jon Bootland, CEO Passivhaus Trust

16th October 2014

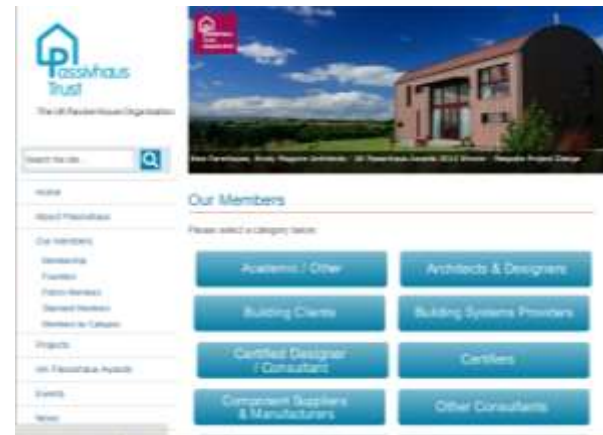
A Membership Collective



Membership



1. We promote your company



2. We promote your projects



UK Certified Passivhaus projects



2 units

10 units

50 units

100 units

150 units

250 units

2009

2010

2011

2012

2013

2014

ukpassivhaus
conference 2014



Aims & Objectives



The Passivhaus Trust aims to:

- 1 Preserve the integrity of Passivhaus standards and methodology
- 2 Undertake research and development on Passivhaus application in the UK
- 3 Promote Passivhaus principles to the industry and Government



Preserve integrity of the standard



1. Technical paper – “What it means to claim the Passivhaus standard in the UK”



2. Database of certified UK Passivhaus projects

3. A standards and Quality Assurance working group



Research application of Passivhaus in the UK



1. Active working groups looking at costs, occupant guides, PH & zero carbon.....

Passivhaus and 'Zero Carbon'
Technical Briefing Document - July 5th 2011
Updated April 2nd 2012

The Passivhaus Trust supports the aim to reduce carbon emissions associated with new housing, and believes that significant reductions on present UK levels can be achieved through advanced energy efficiency measures.

During early 2011 a series of technical, regulatory and policy developments within the UK led to the situation where there are more synergies between the Passivhaus standard and UK regulations than ever before.

This paper reviews the potential opportunities that Passivhaus offers for achieving the carbon reductions needed to meet the 2016 'Zero Carbon' standard. Evidence demonstrates that Passivhaus delivers real and significant reductions in energy consumption, through detailed energy efficient design, services and construction. Most Passivhaus dwellings will come close to meeting the Carbon Compliance element of the 'Zero Carbon' definition, without additional renewable energy devices.

While the focus of this paper is on housing, it should be noted that many of the issues raised here are also relevant to non-domestic buildings, and the target for new non-domestic buildings to be 'Zero Carbon' by 2019.



2. Numerous technical papers

3. Masterclasses, tutorials and seminars to share learning and expertise



Promote Passivhaus principles



1. 2000 copies of the what & why guides, now working on “how”



2. UK Passivhaus awards every year

3. Ecobuild, the UK Passivhaus conference and dozens of other events annually



New activities



1. A wiki to share UK details about how to deliver Passivhaus successfully

A screenshot of a web-based products directory for Passivhaus. The table lists various products with columns for Product name, U-value, Transmission, Thermal mass, Thermal capacity, Efficiency class, and Reference price. The table is filtered to show 10 results.

Product name	U-value	Transmission	Thermal mass	Thermal capacity	Efficiency class	Reference price
1. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
2. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
3. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
4. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
5. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
6. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
7. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
8. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
9. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18
10. 2.0m x 1.0m	0.18	0.18	0.18	0.18	0.18	0.18

2. A products directory, to show examples of products that have been used successfully in the UK



3. New working groups on procurement and measured performance



New activities



UK Certified Passivhaus projects

