

The Passivhaus Equivalent Standard

Industry Engagement Workshop



Built
Environment
—
Smarter
Transformation

27th November 2023

Discussion Points – Industry Engagement Workshop.

Purpose: Industry wide engagement session for industry out with the sub working group to contribute to the Passivhaus Scottish Equivalent conversation, this engagement session was followed up by a practical training session delivered at BE-ST's National Retrofit Centre of Excellence by Passivhaus designer Rupert Daley.

1.How could a Passivhaus equivalent standard look in Scotland?

Need to ensure flexibility on standards

Having the requirements clearly defined for designers, builders, manufacturers, installers

Should be a sliding scale of implementation

Need to educate end users

Support from Government on skills shortages

A Scottish Standard Certification

Create test champions

Include disclosure for embodied carbon

The standard should be phased

Policy needs to shape products and services

A standard should be like buying a new car in terms MOT, service requirements and warranties

Thermal comfort is the priority

Prescriptive details and guidance required

Transition period needed to support industry

Quality standard needs accurate modelling

2.Do you see any challenges and opportunities with this review?

The number one challenge is industry skills shortages

Changes in traditional ways of installing will potentially be a barrier

Allowing flexibility for Standards - tolerance range

Education of end users, property owners on areas such as MVHR

Clear advantages and opportunities on Passivhaus before a project begins

Achieving benefits of energy efficient buildings and lower energy costs for social housing especially

Remote management of heating to eliminate issues

Guaranteed heating standards/change in mindsets, creating a lifestyle change

Passivhaus steps not mapped properly

Extra build time needs to be accommodated for testing

Potential timescale issues with SAP 11 roll out

Bad perceptions from public a barrier

On site quality could be an issue, workforce performance gap

Overall cost to customer

Risks of MVHR needs to be mitigated