

Passivhaus Workshop

Friday 20th November

Presentation Timetable

(All talks will take place in the Sustainability Theatre)

Centre doors open from 9:00 – Please use this time to explore the exhibitor displays and book 1:2:1s

10:00 – 10:25| An Introduction To Passivhaus –
The Passivhaus Trust sets up the day with an Introduction to Passivhaus Principles and EnerPHit.

10:30 – 10:55 |Designing your Passivhaus: Building New or Retrofitting to EnerPHit – Eco Design Consultants
Whether you're building new or improving your existing home, the Passivhaus approach can make it low carbon, comfortable, healthy and a pleasure to live in. Alan Budden explains the principles of Passivhaus and EnerPHit, its retrofit standard. He'll compare deep and shallow retrofits, show how to retrofit in stages, and share practical tips from real projects to help your home work better and save you money.

11:00 – 11:25 | An Insulation with exceptional performance in all Seasons – PYC Warmcel
How it keeps homes warm & winter and greatly helps stop overheating on hot summer days, plus all the other benefits of Warmcel in timber frame construction.

Break for 1:2:1 appointments / 11:30am GUIDED EnerPHit (Existing Homes) TOUR (pre-book at Booking Desk)

12:15 – 13:00 | Question Time: Getting your Passivhaus Started – Hosted by Eco Design Consultants, MBC Timber Frames, Ecological Building Systems & Zehnder
Audience-led Q&A discussing how to build your Passivhaus Home.

13:05 – 13:30 | Why ICF is a proven trusted method for Passivhaus construction – Beco Wallform
The presentation will demonstrate why the material composition and technical detailing of Wallform ICF systems are the best for Passivhaus construction.

Break for 1:2:1 appointments / 13:30pm GUIDED Passivhaus (New Build) TOUR (pre-book at Booking Desk)

14:00 – 14:25 | Passivhaus MVHR: How does it differ from Minimum Regulatory MVHR? – Airflow Developments
A Brief overview of the core design specification differences of Passivhaus MVHR and AD-F MVHR , giving the customers a broad understanding of the additional design requirements, benefits, and cost implications of applying appropriate MVHR design and subsequent certification, according to the demands of the building specification.

14:30 – 14:55 | WHY USE THE PHPP ENERGY MODEL? – Passivhaus Homes, PH15
Avoiding the performance gap and delivering summer comfort in a warming climate. I will talk through how the PHPP model works and how it provides useful design feedback and accurate predictions of how the building will perform both in terms of keeping energy bills low but also in terms of both winter and summer comfort and health.

15:00 – 15:25 | Insulated raft foundations: What they are, how they work and why they are commonplace in Passivhaus buildings. – ISO Quick
Jonathon Barnett has been involved in the manufacture of insulation for 30+ years and the supply of Low energy and Passivhaus building systems in the UK for 20+ years.
His background in manufacturing engineering and interest in practicality and buildability gives him a different outlook on construction ideas to many. As Technical director of Build Homes Better Ltd, the home of Isoquick, his a keen advocate of Passivhaus, and proud to be a Patron Member of the Passivhaus Trust.

15:30 – 15:55 | High-Performance Windows and Doors: Performance Beyond the Specification – 21°
High-performance windows and doors play a crucial role in delivering energy-efficient, comfortable and healthy buildings. But how much does their performance depend on more than the product specification alone? This presentation explores how glazing, installation, thermal bridging, airtightness and detailing affect heat loss, condensation risk and occupant comfort. Drawing on new-build and deep retrofit projects, it highlights how good design, specification and installation ensure windows and doors perform as intended, not just on paper.