

Passivhaus Workshop

Friday 24th April

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

09:30 – 09:55 | Why ICF is the best 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.

10:00 – 10:25 | An Introduction To Passivhaus with The Passivhaus Trust – [Alan Budden](#), [The Passivhaus Trust Patron](#)

Alan sets up the day with an Introduction to Passivhaus Principles and EnerPHit.

10:30 – 10:55 | Healthy Homes, The benefits of using a system – [Passivhaus Home Limited](#)

11:00 – 11:25 | Why is efficient heat recovery ventilation key to good indoor air quality & energy savings in a Passivhaus? – [Total Home Environment](#)

What heat recovery is, highlighting what you need to consider in the house design and domestic hot water requirements, together with any minimal heating and cooling you may need.

[Break for 1:2:1 appointments / GUIDED EnerPHit \(Existing Homes\) TOUR \(pre-book at Booking Desk\) & GUIDED Passivhaus \(New Builds\) TOUR \(pre-book at Booking Desk\)](#)

12:15 – 13:00 | Passivhaus Building Systems Panel – [AC Architects](#), [MBC Timber Frames](#), [Ecological Building Systems & Beco Wallform](#)

Audience-led Q&A discussing different types of building systems to build your Passivhaus Home.

13:05 – 13:30 | Designing your low carbon retrofit to meet EnerPHit the Passivhaus Retrofit standard – [Eco Design Consultants](#)

Alan will go through the principles of how you can transform your home into a low carbon, comfortable, healthy and fun place to live. He will discuss deep versus shallow retrofits, and retrofit by stages, going through key principles. This will be illustrated with examples from a Victorian terrace retrofit on target for the Passivhaus retrofit standard, EnerPHit. He will also explain the differences between Component and Heat Demand methods, and why the costs may surprise you.

[Break for 1:2:1 appointments \(pre-book at Booking Desk\)](#)

14:00 – 14:25 | The Builder's Perspective: Navigating the Reality of Passivhaus Delivery – [G2 Construction](#)

Following the design phase, the success of a Passivhaus rests on four critical pillars: meticulous planning, financial transparency, buildable details, and radical collaboration. Carl Goodhew, founder of G2 Construction, shares a "boots-on-the-ground" guide for homeowners and architects. From the dangers of complex geometry to the necessity of early-stage trust, this session provides a practical roadmap for taking a high-performance project from the drawing board to a successful, on-site completion.

14:30 – 14:55 | Ventilation in PassivHaus – [Zehnder](#)

Ventilation principals in PassivHaus and the role it plays.

15:00 – 15:25 | Timber Frames – [PYC Construction](#)

15:30 – 16:05 | Fabric First as an Energy Solution & an insight into Windows & Doors – [21°](#)

A look at how small changes to your building fabric can have large impacts on your building's energy use, driving down the energy requirements to optimise renewable output.