

CERTIFIED
PASSIVE HOUSE
TRADESPERSON



Building Envelope Specialist Training

**Seminars
2016
17th & 18th
February
followed by Exam
20th February**

Why become a Certified Passivhaus Tradesperson?

Passive House buildings refers to a standard and not a certain construction method. Passive House standards of performance has been tried and tested and proven to repeatedly deliver real high performance, comfortable, healthy buildings. Passive House is as much a build quality standard, as it is an energy performance standard. Good planning and careful implementation of details are decisive factors in the construction of Passive House buildings. The aim of this training is to convey an overall impression of the interdisciplinary Passive House concept and how to ensure what is designed, is delivered on site.

The Training includes various practical demonstrations and exercises while covering the following content:

Day 1

| | |
|-------|---|
| 09:30 | Introduction |
| 10:00 | Passive House Introduction |
| 10:45 | coffee / tea |
| 11:00 | Passive House Criteria (certification classes) |
| 11:30 | Insulation Types, Lambda & U-Values, Heat loss, Climate |
| 12:30 | Building Envelope Design / Construction Types |
| 01:00 | Lunch |
| 02:00 | Thermal Bridge Free Construction |
| 02:45 | Group Exercise |
| 03:15 | Thermal Imaging Demo |
| 03:30 | Ventilation Overview |
| 04:00 | Revision Quiz |
| 05:00 | End |

Day 2

| | |
|-------|---|
| 09:30 | Airtightness Intro, Testing Requirements |
| 10:00 | Airtightness Calculations (N50, Q50, Leakage losses) |
| 10:45 | coffee / tea |
| 11:00 | Airtightness & Moisture Management |
| 11:30 | Proclima Product Solutions |
| 12:30 | Blower Door test demo, Leak detection |
| 01:00 | Lunch |
| 02:00 | Hands On Practical Exercises, Assessed with Blower fan & Smoke machine |
| 03:00 | Passive House Windows Comfort, requirements, window u-value, installation, doors |
| 04:00 | Revision Quiz |
| 05:00 | End |



Darren O'Gorman
Technical Support,
Regional Trainer

Darren holds a master's degree in construction project management and is a PHI Certified Passive House Trainer and exam provider with over 15 years' experience in project design & supervision. He has delivered training courses in Passive House and Building Physics to built environment professionals and trades across UK & Ireland, including the first tradespersons in the UK to receive passivhaus tradesperson accreditation. He has also provided consultancy on a number of Certified Passive House & EnerPHit projects in the UK & Ireland.



Niall Crosson
Technical Engineer,
M.Eng.Sc. BTEch,
CEPHC.

Niall holds a degree as a Bachelor of Technology and a Masters of Engineering Science. He is also a Certified Passivhaus Consultant and a board member of the Irish Green Building Council. His expertise is in the area of building physics, energy conservation, hygrothermal analysis, airtightness, natural insulation, and vapour diffusion open constructions.

BOOK YOUR PLACE NOW

www.ecologicalbuildingshop.ie

Upskill Today!

Trainee Profile:

Experienced qualified tradepersons working in the construction industry. Prior attendance to Ecological Building Systems "Fabric First" and "Airtightness" courses will provide participant's with an excellent knowledge base for this course.

Duration: 2 days

Course Fee: €425 includes cost of examination and international certification.

Certification:

"Certified Passive House Tradesperson"

Building Envelope Specialist Certificate

The Passivhaus Tradesperson qualification is an internationally accredited by the Passivhaus Institut in Germany. On successful completion of the exam participants are listed on the Passivhaus Tradesperson database.

Venue: Centre of Knowledge, Ecological Building Systems, Athboy

Bookings/ Inquiries: Email info@ecologicalbuildingsystems.com



BOOK YOUR PLACE NOW

www.ecologicalbuildingshop.ie

Feedback from our seminars

Below is some feedback from past trainees of past participants of Darren's passive house course.

Jul 19, 2013 by John Greaney

"A very enjoyable and informative course in the presence of a great bunch of fellas and of course, Darren, our teacher, who has vast knowledge of this method of construction and is extremely passionate about it. An excellent course, an excellent teacher who passed on his methods and was willing to repeat himself to make sure we all understood what was happening, and I must say that I am delighted to have participated. I have learned a lot and now it's time to put it into practice".

Jan 24, 2014 by Stuart Roberts Engineer/ Consultant with Living Logic

"The Quality of the course was superb – Darren's passion and teaching is positive and interactive and his knowledge is vast. I travelled from England for the course and would recommend to anyone in the UK to do the same".



Seminars 2016

www.ecologicalbuildingshop.ie

Where we are:

From the North (Belfast)

Take the M1 towards Dublin. At J10 exit onto the N51 for Drogheda North / Slane, continue to follow signs for Navan. From Navan, follow the signs for Athboy.

From the East (Dublin)

Take the M3 towards Cavan. From M3 exit at J9 for Navan North/Devlin, follow signs for Athboy.

From the South (Cork)

Take the M8 Northbound for Dublin, then follow directions from Dublin as above. From the West (Galway). Take the M6 Dublin Road. At J2 take the R148 into Kinnegad, follow signs for Athboy/ Trim on the R161. Turn off the R161 Trim Road to the L4016 to Ballivor and follow the signs to Athboy. Ecological Building Systems are based on the Main St, in Athboy directly opposite the Bank of Ireland. There is large signage for MacCann and Byrne, Ecological Building Systems outside the main building. Parking is available on our premises.



ecological
BUILDING SYSTEMS

Main Street, Athboy, Co Meath

T. 046 9432104

info@ecologicalbuildingsystems.com

www.ecologicalbuildingsystems.com

Ecological Building Systems are members of

