



Better Building - Putting the . . . Fabric **FIRST**

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€95 per person, booking required 7 days in advance
Group discounts are available on request

Seminars 2015

Go to our webshop for dates

www.ecologicalbuildingshop.ie

To realise low energy healthy buildings we must insist on better building practices and materials from the design stage to the building site and put the fabric first. It is with this in mind that Ecological Building Systems provide our Better building: Fabric First, course. Training is provided at our state of art Training Centre of Knowledge by Ecological's skilled and experienced technical staff. With our vast experience using award winning products on pioneering low energy projects Ecological Building Systems are in a unique position to impart our knowledge to the public. Roman Szytura, one of Ireland's leading airtightness and insulation installers will also provide hands on guidance and tips in how to achieve best practice airtightness on site.

5 CPD points rewarded on completion of course.

9.00am **Registration**

9.30am **Building Physics with Niall Crosson**

- Introduction (Morning session)
- Thermal insulation materials: Types, uses, applications and their environmental impacts
- Using natural insulation to reduce CO2 emissions and energy costs
- Thermal specifications, U, R and k values

10.30am **Coffee Break**

10.45am **Natural Insulation Applications and Specifications**

- Past, present and future building regulations requirements
- Complying to regulations with external and internal insulation
- Addressing the risks with internal insulation of solid masonry walls
- Recommendations for attaining Passive House levels of performance
- Recommendations for new buildings complying with the latest TGD Part L for new buildings
- Recommendations for existing buildings

12.00 pm **Air-Tightness & Intelligent Moisture Management**

- Introduction to airtightness
- Condensation and ventilation considerations
- Intelligent moisture management
- On site details and recommendations
- Material specifications for airtightness

1pm **Lunch**

2pm **Best Practice detailing with Roman Szytura**

- Introduction (Afternoon session)
- Air leakage test demonstration with the pro clima WINCON in our demo house
- Internal/external natural insulation demonstrations for roofs, walls, floors
- Practical airtightness installation with pro clima airtightness products with an airtightness installation expert
- Summary
- Questions and answers

5.00pm **End of Training**

Each participant will receive a certificate of attendance, samples, a memory stick loaded with relative information, a complete airtightness DVD, direct contact with senior engineers and expert airtightness craftsmen and lunch.



Niall Crosson

Technical Engineer,
M.Eng.Sc. B.Tech, CEPHC, MIEI

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.



Roman Szytura

Clíoma House Ltd

Born in Germany, Roman undertook a 3 year apprenticeship as a joiner; he then worked for various companies as a carpenter, joiner, airtightness and insulation installer before becoming a freelance craftsman. His primary focus has always been on airtightness, natural insulation (mainly cellulose) and healthy energy efficient building. He moved to Sligo, in 2007 and founded Clíoma House Ltd which provides a full consultancy for Timberframe Passive Houses and installation service for airtightness and natural insulation. He has been involved in more than 100 projects all over Ireland and Europe as a consultant and installer working on a variety of construction types ranging from the renovation of small natural stone cottages to state of the art Passive Houses. He has achieved airtightness results as low as an N50 of 0.087ACH.



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Feedback and pictures from our seminars

"The Practical Session was very useful. I picked up a lot of helpful tips in applying the various tapes and glues. The workshop space is also fantastic and the cut away details are a brilliant way to understand the products and their interaction with each other."

"I really enjoyed the day. Well done to Ecological Building Systems for creating such a great space for displaying their products in such an interactive way!"

"A very thorough course, executed with real professionalism. You made us feel very welcome, and I am very grateful to you all."

"Excellent facilities and demo models an enjoyable day."

"Gives an excellent overview on all aspects airtightness / insulation and highlights advantages of natural insulation without making it a sales show. Now I know what questions to ask!"

"Thoroughly enjoyed the day and great to be able to meet and discuss with others in the business."

"Great! Bringing all the theory to life with the demos and practical's and seeing build-ups in the flesh!"

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 and Ecological Building Systems outside the main building. Parking is available on our premises.



Ecological Building Systems are members of:



ecological

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