

Three Day Event

09.30 - 16.30

**21st & 28th June, and
5th July 2017**

London



"A fantastic course and I am already using the information from within it, ... the tutors were fantastic"

Delegate on previous Green Register SWI course, 2016

If your professional work includes the **refurbishment** of existing buildings, and you rightly want to **feel more confident** about the **risks** involved, this course will help you to **design with, specify or install Solid Wall Insulation more efficiently.**



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Leading sustainable construction training since 2000

Day One - Wednesday 21 June 2017

SWI THEORY, CASE STUDIES, UNINTENDED CONSEQUENCES AND BEST PRACTICE

Trainer - Nicholas Heath

Theory is linked with practice in the field of solid wall insulation via case studies, the STBA's 'Responsible Retrofit Guidance Wheel' and the latest research evidence.

Including: the drivers for older building retrofit; the context for External Wall Insulation (EWI) and Internal Wall Insulation (IWI) within the whole-building approach; key technical principles and details; the risks and potential problems; Best Practice guidance and support tools. Q&A.

Schedule

- 09.30 *Registration and refreshments*
- 09.45 **Context: regulations, safeguards, risk**
- 10.30 **Principles: building, energy & moisture assessments**
- 11.00 *Refreshments*
- 11.30 **Principles: materials, coherence, ventilation, design, application, monitoring**
- 12.30 *Lunch*
- 13.30 **Case studies & technical details: EWI & IWI**
- 15.00 *Refreshments*
- 15.30 **Case studies, technical guidance & support tools**
- 16.30 *Close*



Day Two - Wednesday 28 June 2017

THE BUILDING PHYSICS OF IWI AND EWI AND PRACTICAL DEMONSTRATIONS

Trainers **Niall Crosson, Matthew Wellesley-Smith, Sean Denton and Rob Woodhouse**

Detailed building physics theory together with three practical SWI demonstrations where delegates can try out the application methods themselves.

Including: why solid walls technically interact differently to cavity walls; how insulated walls react with moisture in the long term; the primary drivers of moisture ingress and how to minimize them; how to assess and model condensation with hygrothermal modelling; benefits and limitations of common internal insulation systems; guiding designers to select robust solutions; the case for using and how best to use natural wood fibre board products; working with lime and cork in older buildings.

Plus: practical hands-on EWI and IWI demonstrations; installation detailing including corners, penetrations, windows, sills and renders); Q&A.

A Masterclass in Avoiding Risks

Day Two - Schedule

- 09.30 *Registration and refreshments*
- 09.45 **Robust Internal Insulation Solutions for Solid Walls; Avoiding Retrofitting Retrofits**
- 11.30 *Refreshments*
- 12.00 **IWI Case Studies with wood fibre and lime and cork based solutions**
- 13.00 *Lunch*
- 14.00 **Practical EWI demonstrations**
- 15.30 *Refreshments*
- 16.00 **Practical IWI demonstrations**
- 16.45 *Close*



Day Three - Wednesday 5 July 2017 SITE AND REAL LIFE EXPERIENCE

Trainer - Colin Lock,

Clerk of Works at Bristol City Council, share his extensive experience of EWI installations in practice. **Including:** Delivering to an authority led market; Reoccurring issues with EWI and practical solutions; communication with contractors; coordinating trades and the STBA Wheel; minimising the impact on owners or occupants.

Rafael Delimata, director of Bowtie will be giving a detailed tour of a current project, a four bedroom, four story Georgian mid terraced house, being refurbished to the very exacting Enerphit standards with internal wall insulation throughout and high levels of airtightness below 1ach @50Pa. Attendees will be able to see the SWI in place, discuss the practicalities of the installation and ask the site crew about best practice SWI insulation.

- 09.30 *Registration and refreshments*
- 09.45 **Site Experiences: communicating with contractors**, Coordinating trades etc
- 11.00 *Refreshments*
- 11.30 **The STBA Retrofit Wheel and delegates discuss own projects**
- 12.30 *Lunch*
- 13.30 **Site visit to SWI project (see above)**
- 16.30 *Close*



Please note speakers and timings are subject to change.

For full details of speakers visit event page on [The Green Register website](#)

"Excellent mixed use of technical 'principles' with practical application" "Helped reinforce methods, pitfalls and quality. I have learned more, faster, than reading a website text" - [Previous attendee](#)

Theory and Practice of Solid Wall Insulation

A Masterclass in Avoiding Risks: The Theory and Practice of Solid Wall Insulation

Registration

Fees are £249 for Green Register members / £375 non-members

Booking via Events page on our website

Special Offers

Book by the end of April for Early Bird rates: £219 members / £345 non-members

Book three places for the price of two: Book three places at and get the third place free. (Book places online and we will deduct the cost of the third place once booking received). This offer may not be used in conjunction with other offers.

Membership offer: By attending this course, delegates will automatically be eligible for TGR membership and can benefit from half price membership fees for one year if they join within one month of completing the course.



Our key partners



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