

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



**Niall Crosson**, Senior Technical Engineer, Ecological Building Systems.

Niall holds a degree as a Bachelor of Technology (1st class Hons.) and a Masters Eng. Sc. He is also a Certified Passivhaus Consultant and a member of the Board of Directors of the Irish Green Building Council.

Niall's expertise is in building physics, energy conservation, hygrothermal analysis, airtightness, natural insulation, and vapour diffusion open constructions. His recent training includes advanced training from GUTEX woodfibre insulation manufacturers and pro clima airtight building systems. Niall has provided guidance to many award winning low energy projects and has also regularly contributes a number of low energy building publications and construction publications and journals.

Ecological Building Systems have pioneered the introduction of natural insulation materials and airtightness to the construction industry in Ireland and the UK for over a decade.

**Sean Denton**, Director, Jordaya

Sean has been a plasterer 'on the tools' all his working life, serving his apprenticeship in all aspects of wet trades. He has run several plastering and renovation companies and is now director of Jordaya Contracting limited.

Sean has been renovating old buildings for over thirty years and has developed a deep understanding of the importance of insulating older buildings with materials that work with existing buildings not against them. Jordaya Contracting are currently working with lime and cork based insulating plasters and sheep's wool insulation.



**Nicholas Heath MA MSc**, Director of NDM Heath Ltd

Nicholas has a particular expertise in the challenges and solutions for retrofitting traditional and historic homes, and has led a series of high-profile, award-winning retrofit projects in such buildings. He is the author of numerous traditional building retrofit guides, technical papers, research reports and planning guidance, and has extensive experience of technical training development and delivery.

Nicholas has led high-profile research into solid wall insulation on traditional buildings, and has worked with several local authorities and social housing providers to develop city-wide responsible retrofit strategies. He has worked nationally and internationally with public and private clients including Historic England,

the Scottish Government, UNESCO, RIBA, RICS, and SPAB, as well as architect firms, local authorities and universities.

Nicholas is Associate Technical Director of the **Sustainable Traditional Buildings Alliance (STBA)**, an Affiliate and Technical Panel Member of the **Institute of Historic Building Conservation (IHBC)**, lectures part-time at **University of York**.

NDM Heath Ltd is an independent sustainable energy consultancy.

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**Colin Lock**, Clerk of Works, Bristol City Council

Since November 2015 Colin has undertaken site inspections on energy efficiency installations through the Warm Up Bristol scheme, inspecting external wall insulation systems on traditional construction properties. He has worked in the construction industry for around thirty years developing a wide range of skills and experience including brick laying, stone masonry, roofing and restoration of traditional buildings; as well as working on new build sites.

Colin also has experience working on engineering infrastructure projects, from street and highways works, railways and on major land excavations. Prior to working in construction Colin reached the level of section Commander after ten years service in the army in C company Hereford.



**Matthew Wellesley Smith**, Retrofit Manager, Natural Building Technologies (NBT)

Matthew provides technical support for the application of NBT products to existing buildings. He has several years' project management experience on traditional building renovations, and an MSc in Environmental and Energy Studies. Subsequent specialisation in moisture transfer and its effects on building fabric have provided a valuable combination of theoretical expertise and practical experience.

NBT is a building fabric materials supplier dedicated to delivering better buildings with simple, robust and effective systems. Its systems utilise the inherent advantages of natural and sustainable materials to deliver exemplary energy performance, fabric durability, and occupant health and comfort; all with materials of ultra-low environmental impact. NBT's expertise in traditional buildings has been developed in partnership with leading academic and not-for-profit organisations in the retrofit sector, including University College London, SPAB, the STBA (authors of the DECC funded Responsible Retrofit Report), the Good Homes Alliance, and the Usable Buildings Trust.

**Rob Woodhouse**, Director, RJW Services

Rob has been involved in the installation of external wall insulation systems for over twenty five years. He provides technical advice and support to EWI system designers, architects and installers as well as practical training and demonstrations. Rob has attained a recognised Austrian qualification for the theory and practice of installing EWI and is a qualified Passivhaus Tradesman.



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