

Technical briefing Seminar

by **Ecological Building Systems** in
conjunction with **Calsitherm**
(Germany) entitled:

Challenges and solutions to thermally upgrading existing masonry walls with internal insulation

Internal wall insulation presents significant challenges for durability and indoor air quality. With the advent of 'The Green Deal' and the need to thermally upgrade existing masonry single skin walls the Seminar focuses on and considers relevant technical aspects in the planning, designing and installation of internal wall insulation.

Speakers

Dr Rudolph Plagge

from The Institute of Building Climatology, Dresden University of
Technology

**Understanding how moisture moves in buildings and the
effects of thermally upgrading existing single skin masonry
walls internally**

Niall Crosson

Technical Engineer BTech, MEngSc, MIEI, Ecological Building Systems

Calsitherm Climate Board – A holistic solution

Tobias Wild-Blatt

Technical Consultant, Dipl. Ing. eMBA - Calsitherm

Calsitherm Climate Board – A holistic solution

Mark Vines

RIBA Acanthus Holden Architects, Pembrokeshire

Case Study: Thermal and Moisture Challenges - Roch Castle

Friday 7th October
The Building Centre
London

£60 includes
(inc Vat) refreshments
and lunch

The programme

9.00 – 9.30

Registration

9.30 – 11.00

Dr Rudolph Plagge

11.00 – 11.15

Coffee

11.15 – 12.45

Dr Rudolph Plagge

12.45 – 13.30

Lunch

13.30 – 14.15

Niall Crosson /
Tobias Wild-Blatt

14.15 – 15.00

Mark Vines

15.00 – 15.30

Questions

15.30

Close

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Ecological Building Systems Ltd has been at the forefront of supplying natural insulations and diffusion open, airtight systems for over a decade in Ireland and latterly the UK. Their primary focus being to provide a range of materials that allow diffusion open (breathable) and healthy buildings, significantly reducing carbon emissions and improving energy savings.

With the advent of 'The Green Deal' and the requirement to thermally upgrade existing masonry single skin walls in buildings becoming ever more obvious, Ecological Building Systems have concerns that insufficient consideration is being given to the appropriate use of materials sympathetic to the existing structure. The area of internal wall insulation presents significant challenges and requires a holistic approach to avoid detrimental damage to the building in the long term and potential impact on indoor air quality for the occupants.

We have therefore in conjunction with CALSITHERM (Germany) decided to deliver a one day seminar on this subject. We have invited the eminent Professor, and published building physics author of several papers with regard to moisture storage in building components and conductivity, Dr Rudolph Plagge from The Institute of Building Climatology, Dresden University of Technology, to give delegates a greater understanding of how moisture moves in buildings and the effects of thermally upgrading existing single skin masonry walls internally. Dr Rudolph Plagge provided a presentation at the 1st International Interior Insulation Congress in Dresden earlier this year.

The seminar will cover relevant technical aspects in the planning, designing and installation and monitoring of internal insulation systems as well as detailed practical guidelines.

Dr Plagge will cover all the morning sessions and discuss the topic and run various wall simulations. The afternoon session will focus on solutions, covering Calsitherm Climate Board. The day will conclude with an interesting and informative case study on the thermal and moisture challenges to upgrading Roch Castle in Haverfordwest, Wales, presented by Mark Vines RIBA Project Architect with Acanthus Holden Architects (www.acanthus.co.uk), Pembrokeshire.

While it is impossible to cover every possible aspect of such a complex area in one day, we hope that by holding this event and raising key areas of concern, we may contribute positively to increasing awareness in industry in this crucial area.

Numbers are limited and will be on a first come, first served basis.

Please use the Registration Form on page 3

OR

all details are available at ecologicalbuildingystems.com

email:
info@ecologicalbuildingsystems.com

Telephone: 05600 756025

Cost £60.00 includes refreshments and lunch (inc Vat)

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Technical briefing Seminar

THE BUILDING CENTRE, STORE STREET, LONDON WC13 7BT

Registration Form

Mail to: Penny Randell, Ecological Building Systems Ltd, Pacific House, Parkhouse, Carlisle, CA3 0LJ.

Fax to: 05600 758026 or e mail: pennyrandell@ecologicalbuildingsystems.com

Booking Details : please register me for 'The Challenges and Solutions to thermally upgrading existing masonry walls' @ a rate of £60 (including VAT @ 20%)

DELEGATE DETAILS:

Title:

First Name:

Surname:

Job Title:

Organisation:

Address:

Town:

Postcode:

County:

Tel:

Fax:

Email:

PAYMENT DETAILS:

I enclose a cheque for £60.00 payable to Ecological Building Systems UK Ltd

I wish to pay by credit/debit card (delete as necessary)

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Telephone: 05600 758025 for queries

Terms and Conditions:

Delegate fee is payable in advance of the seminar. Confirmation of your registration and receipt will be sent to you. Substitutions can be made but refunds cannot be made for cancellations.