

# Welcome to the webinar

## Airtightness, Breathability and Condensation Risk

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The Alliance for Sustainable Building Products

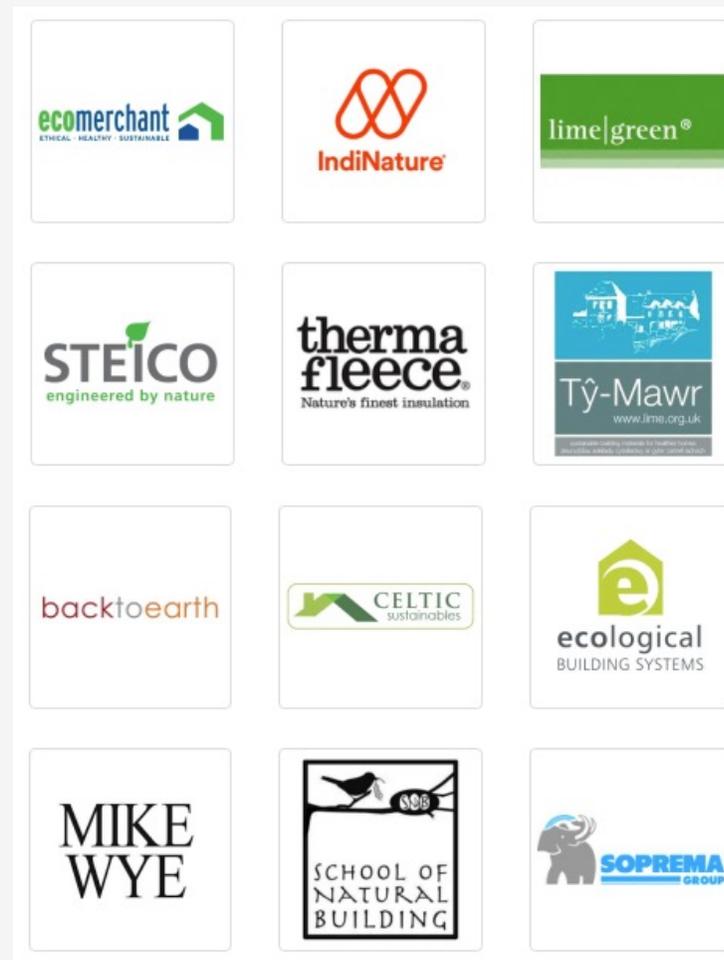
**26/04/2023**

**Airtightness, Breathability and  
Condensation Risk in Buildings**

# Natural Fibre Insulation Event Series

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- Today's session is the third in a series of training events, held in collaboration with our Natural Fibre Insulation Group.
- The group includes the leading manufacturers, suppliers and installers of natural fibre insulation (NFI) in the UK.
- **“Working collaboratively to better communicate the many benefits of natural insulation products and systems.”**
- The series kicked off with an inaugural Summit in Nov 2022 exploring benefits for clients, whole life carbon aspects, overview of applications and an EWI demonstration.
- Further events to be held every 2-3 months with a 2<sup>nd</sup> Summit planned for November 2023. Catch up on recordings online.
- Find out more and download free briefing papers at <https://asbp.org.uk/group/natural-fibre-insulation>.



# What have we covered so far? Rethinking internal wall insulation

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- At our last webinar we were joined by 200 attendees for a 'deep-dive' session on internally insulating solid walls with NFI.
- Our experts explained the impact of insulation depth on energy savings, thermal comfort and humidity balance within the fabric.
- **“Using 60mm of insulation instead of 120mm, we can still meet the required U-value for building regulations and receive c.90% annual energy savings - BUT with 50% less material.”**
- By finding this insulation 'sweet spot', we can achieve significant energy savings whilst...
  - 1) **Reducing condensation risk**
  - 2) **Improving thermal comfort**
  - and 3) **Maximising ROI**
- Ultimately allowing more properties to benefit from insulation measures and/or spending £ on other appropriate energy efficiency measures as part of a whole-house retrofit approach.

**Energy savings – ‘The difference between energy loss from the insulated element and energy loss from the uninsulated element.’**

# Today's event – Do you know your ABCs?

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Today's event is another deep-dive session, exploring the important relationship between **Airtightness**, **Breathability** and **Condensation risk** in buildings.

12:35 **An introduction to breathability – Dispelling misconceptions and key factors to consider**

Mark Lynn, Managing Director, Eden Renewable Innovations Ltd

12:55 **Breathability and airtightness explained**

Neil Turner, UK Technical Sales Manager, Ecological Building Systems

13:20 **Condensation risk analysis and when to use dynamic simulation tools**

Umendra Singh, Technical Expert – Bio-based Systems, Soprema

13:40 **Q&A**



# Webinar instructions

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- Throughout the webinar you can add questions to the 'Q&A' (not 'Chat').
- You can also 'upvote' and comment on other people's questions.
- Please do not use the 'Raise Hand' option.
- We aim to unmute the audio of the relevant attendee so any questions can be asked verbally. If we are short on time, we'll ask the question on your behalf.
- If you have a technical problem, please write a message to Larry Tate (ASBP) using the 'Chat'.
- We will be recording the webinar. If you would prefer your audio to not be recorded (or do not have a microphone) but would like to ask a question, please tick 'Send anonymously' when adding your question to the Q&A and the webinar host will ask it on your behalf.

## Who we are



**Not-for-profit, mission led,  
sustainability organisation**

**“To accelerate the transformation  
to a healthy, low carbon built  
environment by championing the  
use of demonstrably sustainable  
building products”**

## What we do

**Share learning through events, lead on research projects, create best practice guidance, foster collaboration, influence policy and more.**



Health and  
well-being



Resource  
efficiency



Whole life  
carbon



Ethics and  
transparency



Technical  
performance



Social  
value



## Participate in our research projects



Reducing packaging waste, mass timber buildings, steel reuse

## Join one of our specialist working groups



Reducing plastics, healthy paints, natural fibre insulation

Join over network of 125+ members

Access FREE resources on our website

Register for an event



Get involved with the ASBP!

Enter our awards



# Thank you

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