

Welcome to the webinar

Airtightness, Breathability and Condensation Risk

Richard Broad, Projects & Communications Manager

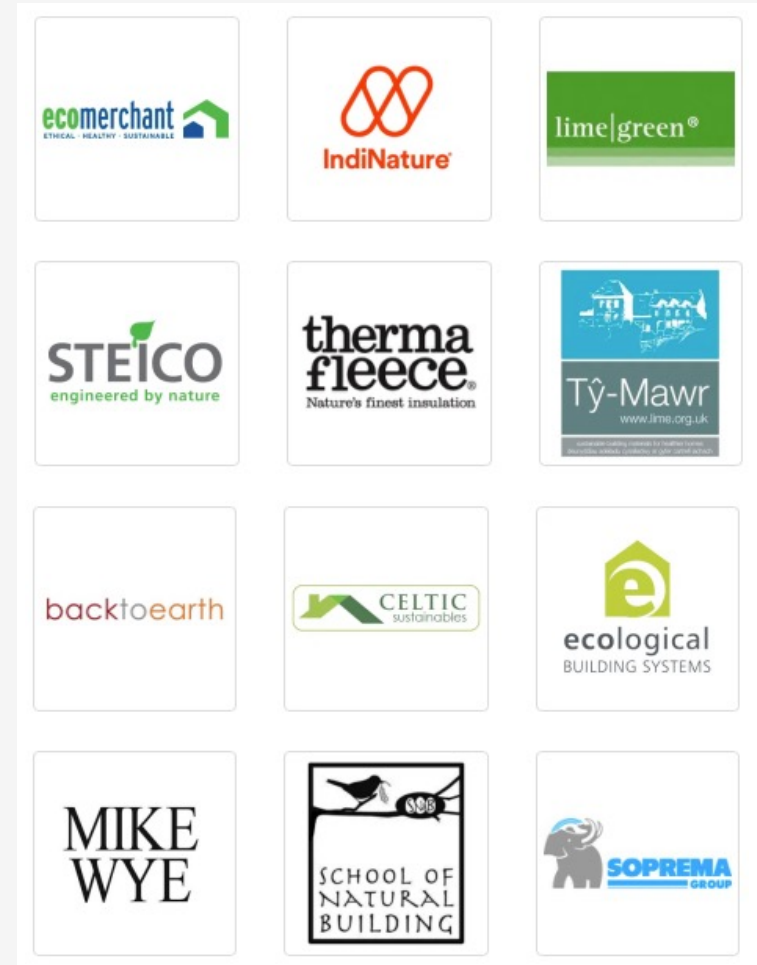
The Alliance for Sustainable Building Products

26/04/2023

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

Natural Fibre Insulation Event Series

- 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 2nd 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

- 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?

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

- 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

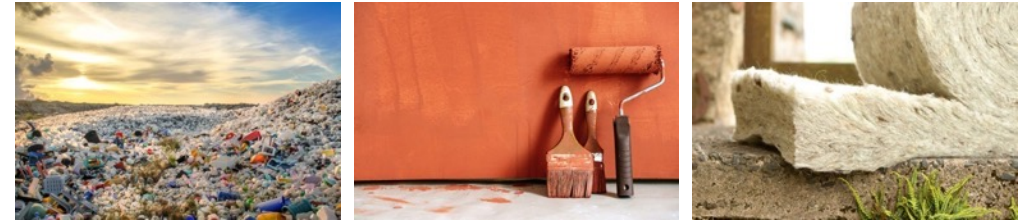


Participate in our research projects



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

Richard Broad

Projects & Communications Manager

The Alliance for Sustainable Building Products

www.asbp.org.uk

richard@asbp.org.uk

0330 355 6275