

Stephen Hodgson





I was at the Property Care Association for a bit. I am now happily engaged with real buildings again.

Involved in lots of stuff relating to dampness.

In my opinion, moisture created by occupation is sometimes ignored, is easily underestimated and often misunderstood.

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What are we going to look at today?

- Recognise the sources of atmospheric moisture
- Consider the science of water vapour and how it moves through and around buildings
- Bring clarity to the some of the common terms used to describe materials that transmit water.
- Examine the implications of atmospheric moisture excess and how it is controlled
- Understand the diverse implications of atmospheric moisture excess and condensation on building fabrics.
- Communicate the need for surveyors to see atmospheric moisture management as a system critical function of all occupied buildings



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Permeability



Permeability refers to the ability of a substance to allow gases or liquid to pass through it. It has a significant impact as to how much water will penetrate the building fabric and the rate of penetration.

The more permeable the material, the greater the rate of water penetration. For example, a dense engineering brick will be less permeable than a soft facing brick, and a dense concrete block will be less permeable than a lightweight thermalite block.





































Does IWI increase interstitial condensation risk?

Yes

• Installing IWI does increase moisture risk - the wall is colder and so wetter









Moisture Buffering

A term given for the ability of a material to take on and release moisture

Often used to describe the action of "natural" particle fibre or clay insulants being able to absorb atmospheric water.

Most permeable materials buffer to some extent!

It is a thing but is it a good thing?















My Contact details.....





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