

Building Compliance
Design & Testing

Version 1.4
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ON-SITE

Air Leakage Testing

Steps to plan an air leakage strategy
Residential



Air Leakage Testing

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How to plan

1. Define an airtightness performance target. This is found on your SAP (Standard Assessment Procedure) calculation. This will enable you to plan a strategy to achieve this level and better.
2. Establish ventilation with your SAP assessor. Different ventilation systems work most effectively with different levels of air tightness. ATSPACE have the expertise to advice on your ventilation requirements.
3. Details should be thoroughly worked out at design stage and not 'left-to-chance' later on site.
4. The airtightness barrier needs to be designed into the building envelope during the initial concept design stage. It can be useful to take plans and sections and draw a continuous red line that passes through all the elements that separate heated and unheated spaces.
5. Tightly manage the design implementation by appointing an 'Airtightness Champion' to coordinate.
6. Use a performance specification.
7. Ensure all trade specifications include their requirements and interfaces with other trades.
8. Specify airtight components, membranes, seals and jointing methods.





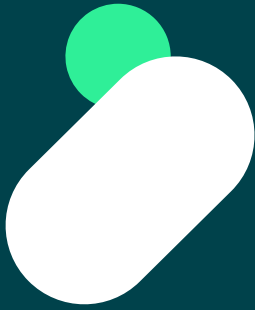
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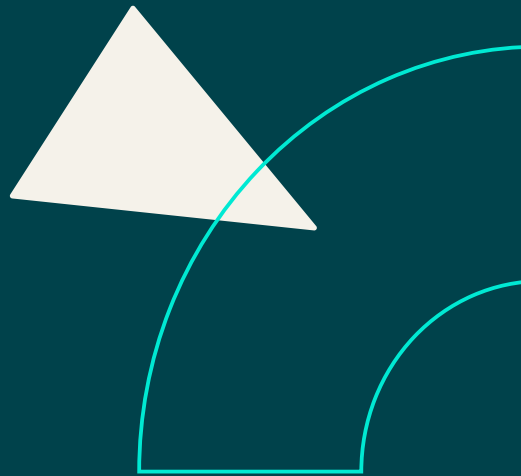
9. If the design team is inexperienced, it might also be prudent to appoint an independent adviser. ATSPACE are here to help.

On site

1. Site manager needs to understand how critical it is to understand the designed air tightness and the methods involved around it. Communication with the design team is key.
2. It is useful at an early stage to identify critical details that will have a bearing on the airtightness barrier.
3. Appoint an Air tightness Champion for the responsibility and to coordinate between consultants and contractors.
4. Think in 3D and explore around every corner.
5. Check trades and the interfaces between each specific aspect that the air tightness hasn't been compromised.



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under one roof.
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Just our friendly team.



ATSPACE
DELIVERING BEYOND COMPLIANCE

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