



TECHNICAL ACADEMY

Advanced Airtightness Skills

Course Description

A one-day course covering both theory and practical demonstrations.

Undertaken either as a second day extension to the introductory Airtightness course or as an independent stand-alone one day course only, this practical skills-based course teaches the attendees how to undertake a full range of common critical details encountered on site using airtightness tapes, sealants and membranes.

Using a purpose built airtightness testing rig, attendees will be shown how an airtightness test is typically undertaken and where the common weaknesses in the building envelope occur. In addition to being shown how to correctly use airtightness membranes, tapes and sealants, a large portion of the course is allocated to allow all the attendees to use the materials to construct the appropriate details which can alleviate air leakage at the common penetration scenarios

PPE Requirements

Kingscourt Academy – Attendees should bring safety footwear with them on the day. Footwear can be loaned with prior notice.

Capacity

Due to the practical nature of this course, to enable all attendees to undertake the practical content, capacity is currently a maximum of 8 attendees per course.

Attendance Requirements

- Attendees are expected to have a basic knowledge of construction principles
- Attendees will be expected to participate in small scale practical activities using airtightness

Location: Kingscourt Academy Only

Time: 10:00–16:00



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Course Content

- Blower door theory demonstration
 - Live pressurised airtightness demonstration
 - Identifying the common weak points
 - How to correctly use membranes, sealants and tapes
 - Designing out the detail
 - Communication of site responsibilities
- How to detail for...
 - Single cable penetrations
 - Multiple cable penetrations
 - Pipe penetrations
 - Joist penetrations
 - Multiple joists penetrations
 - Socket boxes
 - Other critical areas