

## Checklist: Test reports of airtightness measurements

- Is all general information included?
  - Tester: name, address and signature
  - Object
  - Date of test
  - Device
  - Measurement standard (norm)
  - Inside and outdoor temperatures
  - Wind velocity
  - Flow coefficient  $C_{env}$
  - Leakage coefficient  $C_L$
- Is the airtightness measurement performed in accordance with EN 13829 (Method A) or alternatively in accordance with ISO 9972 (Method 1)?
- Is room-by-room calculation of the air volume of the building included? Is the calculation correct?
- Has the installation location of the fan been documented?
- Has temporary sealing of the building envelope been recorded (sealing of outdoor air and exhaust air ducts at least)?
- Has a series of measurements at excess pressure AND negative pressure been performed?
- For each series of measurements, were 5 measuring points used at different pressure differences (highest value  $\pm 50$  Pa at least)?
- Is the flow exponent "n" between 0.5 and 1.0 (otherwise indicates measurement error due to a change in the envelope e.g. window opening)?
- Is the average value of the natural pressure difference between -5 and 5 Pa (measurement of the pressure difference before and after each measurement series)?  
Note: If the wind speed is greater than 6 m/s (21.6 km/h) OR the wind force is higher than 3 Beaufort, the stated limiting values for the pressure difference will usually be exceeded.

**Recommendation:** leakage detection at negative pressure should be carried out before the measurements, and any large leaks should be rectified and this should be documented.

**Exception:** For the measurement of tall buildings (e.g. high-rise buildings) special boundary conditions apply. Please contact your certifier or [building.certification@passiv.de](mailto:building.certification@passiv.de)