

AIR TIGHTNESS CHECKLIST

Air Tightness Rule.

Anything designed to vent, eg extract fans, manual trickle vents, gas vent brick, cooker hood, etc, will be closed or temporary sealed for the test. Anything not designed to vent eg letter boxes, loft hatches, door drain holes for water, locks, thresholds etc will be tested as found.

General Readiness.

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| 1 | <input type="checkbox"/> | <u>External doors and windows</u> to be fitted including thresholds, cavity closures and trickle vents. |
| 2 | <input type="checkbox"/> | <u>Plaster finish</u> to be complete and ready for decoration, (or decorated). |
| 3 | <input type="checkbox"/> | <u>Electrical</u> , all fittings including down lighters, patress boxes, distribution boards etc to be installed. |
| 4 | <input type="checkbox"/> | <u>Sinks, toilets, baths</u> etc to be connected to the sewer system and traps to be filled with water to make a seal. |
| 5 | <input type="checkbox"/> | <u>Structural beams</u> to be sealed if they penetrate the building envelope, use tightly packed mineral wool or expanding foam. |
| 6 | <input type="checkbox"/> | <u>Roof</u> to be tiled and ceiling complete with any features such as roof lights, dormers etc present and complete. |

Known Problems.

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| 7 | <input type="checkbox"/> | <u>Plaster finish</u> . Seal around window reveals and bottom of plasterboard. A continuous dab is recommended or horizontal batten. |
| 8 | <input type="checkbox"/> | <u>Skirting and coving</u> . Continuous seal is recommended and mastic seal around bottom of skirting if 7 is not present. |
| 9 | <input type="checkbox"/> | <u>Baths, showers, kitchen units</u> etc on external walls. Often no skirting is used, but bottom of plasterboard and services must be sealed. |
| 10 | <input type="checkbox"/> | <u>Electrical</u> . Leaks around patress boxes, distribution boards & down lighters are common. Seal them and the services entering them. |
| 11 | <input type="checkbox"/> | <u>Service risers</u> . Seal each service as they penetrate the plot so that the riser boxing is only a decorative finish. |
| 12 | <input type="checkbox"/> | <u>Service Risers, SVPs</u> etc. Fill with tightly packed mineral wool, this slows down any air leaks present. |
| 13 | <input type="checkbox"/> | <u>Loft hatches</u> , recommended to seal around hatch frame and use locking type or weight the hatch with insulation and use draft strips. |
| 14 | <input type="checkbox"/> | <u>Commission windows</u> and doors to ensure the best possible seal between window and frame. |
| 15 | <input type="checkbox"/> | <u>Floating Floors</u> . Some finishes require a gap between deck and wall filled with insulation. Ensure insulation is continuous and tight. |
| 16 | <input type="checkbox"/> | <u>Seal curtain walling / cladding</u> systems around window and door openings, these interface areas are prone to air leakage. |