atbec ltd
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Site Readiness Checklists – Sound Insulation and Air Leakage Testing

Sound Insulation Testing

- ✓ All windows & external doors must be installed, glazed and closed.
- ✓ All trickle vents or other ventilation systems should be installed and closed.
- ✓ All internal doors should be hung.
- ✓ All walls/floors/ceilings must be completed.
- ✓ All skirting boards, electrical sockets and light switches should be fitted.
- ✓ In order to test separating floors for impact sound transmission, there must be no cosmetic floor coverings in the rooms to be tested (i.e. timber, laminate/solid timber, carpet, vinyl, ceramics).
- ✓ Rooms in which tests are to be carried out must be empty and tidy.
- ✓ No trades should be working in the dwellings during the tests.
- ✓ Access is required to the properties either side of the separating structure(s) under test.
- ✓ There must be no noisy operations or work in or around the test properties during testing (e.g. drilling, cutting, groundwork).

We will need 240v 50HZ mains power to be available within the dwellings.

Leakage Testing

- ✓ Where NHBC is not providing Building Control and/or Energy Rating you must provide working drawings and target APR details for the test plots in advance.
- ✓ All windows & external doors must be dry (no wet paint) installed, glazed and closed.
- ✓ Mechanical ventilation systems will need to be temporarily sealed during the test.
- ✓ Passive ventilation systems including trickle vents will need to be closed during the test.
- ✓ All walls/floors/ceilings must be completed.
- ✓ All skirting boards, electrical sockets and light switches, kitchen units and bathroom suites must be fitted (where relevant).
- ✓ Dwellings/Units should be empty and tidy.
- ✓ Loft hatches/eaves cupboards should be fitted and draft stripped.
- ✓ Mastic sealant should be completed to door frames, windows, skirting and services penetrating the fabric of the building.
- ✓ Drainage traps should be filled with water.
- ✓ Standard test equipment fits openings up to 1000mm x 2400mm; the front/back door to the property will not have access to an external doorway within these dimensions.

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