

5.0 GROUND FLOOR

5.1 General

- 5.1.1 Finished G.F level to be min 150mm above finished ground level. Fill cavities with lean mix concrete between foundation & ground level.

5.2 *Suspended Beam and Block ground floor*

5.2.1 Suspended B&B Ground Floor

Construct suspended ground floors with proprietary beam & block floor system to accommodate partition walls & live domestic loading. Build in DPC immediately under floor beams in supporting walls. Overlay structural floors with 2000gauge gas membrane (where required) with lapped and taped joints DPM turned up perimeter walls & built into main DPC. Continue membrane continuously over cavity & provide weeps over in addition to telescopic vents below. Insulate floor with insulation as specified by SAP assessor (or similar approved), return the Insulate around perimeter of screeds with 20mm thick insulation to all walls to the full screed depth and include for cutting & making all corner joints. Overlay 500 gauge separating layer Screed all floors with 75mm thick cement sand & fine aggregate with fiber reinforcement.

See SAP assessor report for U-Values and further specifications.

5.3 *Ventilation to Suspended Ground Floor*

5.3.1 Sub floor ventilation

Minimum 225mm ventilated air space between soffit of the insulation of the suspended ground beams & the ground level under the floors. Ventilate the air space under suspended floors in two opposing external walls with Litecast telescopic vents fixed at not more than 3000mm c/c Provide 215x65mm terracotta air bricks at equivalent centers in intermediate walls to maintain cross ventilation through the whole of under floor air space.

5.4 *Damp Proof Membranes*

5.4.1 Damp Proof Membrane

Damp Proof Membrane - 2000 gauge polythene lapped minimum 150mm at joints.

5.5 *Ground bearing floor slab*

5.5.1 Garage Ground Bearing Slab

Garage - 150mm thick C30 concrete garage floor slab, Visqueen 2000 DPM, 50mm sand blinding on 150mm well compacted hardcore layers, DPM to be continuous with DPC. Level garage floor finished 150mm lower than main house floor level.