



03. Technical Specifications

03.05 CONSTRUCTION

03.05b CONCRETE SLAB CONSTRUCTION

Concrete slab construction is where a huge volume of timber floors are today installed.

Timber over concrete offers excellent thermal insulation.

When considering timber, remember that in all the coldest regions of the world, timber is the most extensively used building material, and being cellular in its construction (contains air cells) timber provides excellent thermal insulation/isolation when used over concrete sub floors.

Concrete slabs over which timber or parquet are to be installed must be sound, level, clean and dry and should not contain contaminates, such as oils, wax, grease, curing compounds, curing agents or other such additives or admixtures.

Moisture content of concrete slabs at the time of installing timber floors should not exceed 6 % moisture as assessed by Protimeter Concrete Master probe testing. (optimum target moisture would be 5.5 % m.c.)

Traditionally, timber floors installed over concrete, were originally installed over timber battens. However, due to unventilated sub floors voids which create a completely different environment beneath the raw surface of the floor, compared to the coated surface on the face of the floor, distortion, in the form of cupping and/or curling of the floor due to environmental changes can often occur.