



Specification

- 175mm deep prestressed concrete joists designed and manufactured to BS8110 Part 1 and 2 1985. Supplied in 50mm increments.
- The Longley Concrete Group are ISO14001 and ISO9001 accredited.
- The design of the floor is guaranteed when used in accordance with the drawings supplied. Full, supporting calculations are available on request.
- Infill block should be standard solid 440 x 215 x 100mm building blocks of 3.5N/mm² or 7.0N/mm² to BS6073 Part 1 1981. Density to be as stated on drawings.
- An imposed load (UDL) of 1.5kN/m² is allowed for all domestic situations. Domestic garages with a reinforced concrete topping are designed for a 2.5kN/m² UDL.
- The self weight of the floor will vary depending on the joist centers and infill block density.
- We recommend 100mm bearing on masonry and 75mm on steelwork .
- Ground Floors should be vented at 2m intervals on external walls, starting at a minimum of 450mm from a corner.
- Partitions carried on the floor by two or more joists will be indicated on the drawing. The void between the joists is to be solidly filled with insitu concrete.

Handling & Fixing

- Joists are to be lifted as close to the ends as practicable using canvas slings or similar. Chains are not to be used.
- The starting joist in each area/bay is indicated thus —●—●—●—●—
It is important that the joist is placed parallel to the external wall.
- Joists should be spaced using an infill block at each end. Care is to be taken to ensure full seating on the joist shoulder.
- Once the joists are set out, the infilling of blocks is a rapidly completed operation.
- The complete floor should then be wetted and brush grouted using a 3:1 sharp sand/cement mix, first in the direction of span, then at right angles to the span.
- Non standard spacings can be achieved by cutting blocks to size or by the use of shuttering and insitu concrete.
- Service holes can be provided for by omitting blocks and making good with insitu.
- Damp proof course (DPC) to be applied to the surface of all ground floor bearing walls beneath the beam ends.
- Do not overload the floor during or after construction. Provide barrow runs as required. Distribute loads as close to the bearing ends as possible.

For Further Information

Call 01924 464283

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