



Longley



BEAM AND BLOCK FLOORING



Ibstock
At the heart of building

The **Longley Concrete Beam and Block Flooring system** is quick and easy to install and comprises of 175mm deep, prestressed concrete beams installed with 100mm deep building blocks laid between them.

BENEFITS

- Easy to handle, quick to install
- Simple all weather form of construction
- Provides an immediate working platform
- Draught proof, rot proof and fire resistant
- Problems caused by ground movement are eliminated
- Good thermal insulation
- Beams available up to 7.5m, 175mm deep



BEAM DETAILS

Longley's Beam and Block ground floors can be installed with minimum fuss and maximum effectiveness.

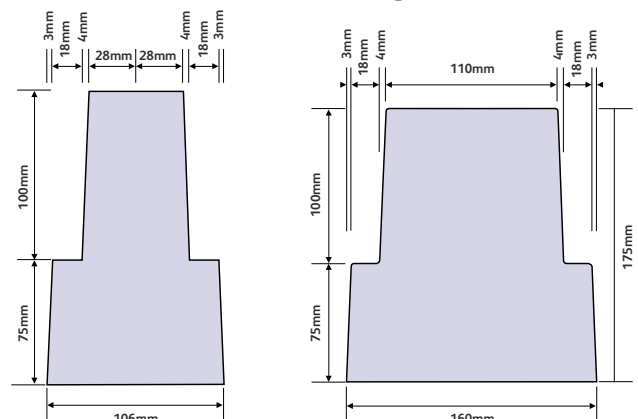
They are quick to install and provide an immediate, safe working platform that is rot proof and fire resistant. Problems associated with frost damage, ground movement or heave and shrinkage are completely eliminated and they are also squeak free.

Services passing through the floor can easily be accommodated between the beams by removing blocks after final positioning of the services.

PRESTRESSED BEAMS

Our beams are manufactured with C60 (60N/mm² at 28 days) concrete, prestressed by means of 5mm indented steel wire. Longley beams are manufactured in fixed moulds within an enclosed factory environment, giving them a superior finish and dimensional tolerance.

Longley floor beams are available in two widths – both at 175mm deep. See images on right.



FLOOR BEAM PROMISE

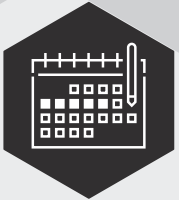
10 STEPS TO SELLING MORE TOGETHER



1: WE WILL RESPOND TO ENQUIRIES WITHIN **1 WORKING DAY**.



6: WE WILL PROVIDE A **CONSISTENT, HELPFUL** EXPERIENCE AT ALL OF OUR CUSTOMER TOUCH POINTS.



2: WE WILL ENSURE A RELIABLE DELIVERY ON TIME, IN FULL WITHIN **5-7 WORKING DAYS**.



7: WE WILL **LISTEN TO OUR CUSTOMERS** AND BY REVIEWING OUR SATISFACTION SURVEYS, WE WILL DELIVER A GREAT CUSTOMER EXPERIENCE.



3: WE WILL ENSURE **CONTINUITY OF SUPPLY** WITH NO IMPACT ON LEAD TIMES.



8: ALL CALLS WILL BE ANSWERED WITHIN **6 RINGS**.



4: ALL DELIVERIES WILL BE GIVEN VERBAL CONFIRMATION **48 HOURS** BEFORE THE DELIVERY DATE.



9: WE WILL ALWAYS **VALUE** YOUR BUSINESS.



5: WE WILL HOLD A **FULL RANGE** OF STANDARD FLOOR BEAMS IN STOCK AT ALL TIMES.



10: WE WILL ALWAYS PROVIDE **DEDICATED CONTACTS** FOR CUSTOMER SERVICE, DESIGN, TECHNICAL AND TRANSPORT ENQUIRIES.



MARKET LEADING SERVICE OR YOUR MONEY BACK*

*Must be claimed within 7 days of service. Subject to investigation and review and can only be requested once by any person / company. Our decision is final.

**GENERAL ORDERS / ENQUIRIES / FLOOR BEAMS
DESIGN & SUPPLY ENQUIRIES:**

Phone: 01924 464 283

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www.longley.uk.com

GROUND FLOORS

A minimum void of 150mm must be provided between the soffit of the floor and the solum and a continuous damp proof course must be laid beneath the beams.

Infill blocks to be aerated, aggregate or concrete, 440x215x100mm. Minimum compressive strength of 3.5 N/mm² or 7.0 N/mm² with a traverse load capacity of 3.5 kN on a 420mm span.

For garage floor applications, blocks with 7.0N/mm² compressive strength should be used.

To seal the joints, the whole floor should be grouted with a nominal 3:1 sharp sand/cement mix as soon as possible after fixing the floor joists and blocks. Brush the grout over the floor with a stiff broom after the surface has been well 'wetted'. Ensure the grout penetrates into the joints to provide a rigid construction.

Floor finishes applied directly to the grouted floor can be: chipboard/screed on insulation, screed or asphalt.

UPPER FLOORS

Infill blocks to be aggregate or concrete, 440x215x100mm. Minimum compressive strength of 3.5 N/mm² or 7.0 N/mm² with a transverse load capacity of 3.5 kN on a 420mm span.

When the floor separates a dwelling from another dwelling, it has to comply with Building Regulations Approved Document E. This can be done by building to Robust Detail E-FC-6 or E-FC-7.

A plasterboard ceiling can be easily installed using metal clips, 50x50mm timber battens and plasterboard; this inevitably increases the fire resistance. See www.longley.uk.com for ceiling clip details.

The floor when constructed with a plasterboard ceiling provides up to 1 hour fire resistance. The widened beam constructed as above provides up to 1 1/2 hour fire resistance.

Where blocks are built into loadbearing walls the compressive strength must not be less than that of the blocks used in the wall construction. (*applicable to both ground and upper floors*)

ANCILLARY PRODUCTS

Longley Concrete Group stock a large range of ancillaries to compliment both ground and upper floors. See more details at www.longley.uk.com

COURSING DETAILS

A selection of coursing details to accommodate our 175mm deep floor beams can be found at www.longley.uk.com

