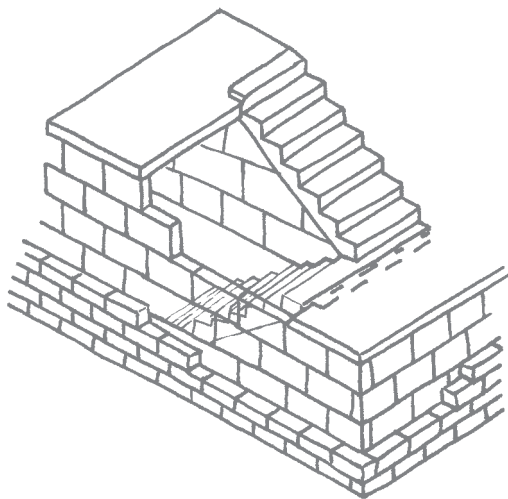
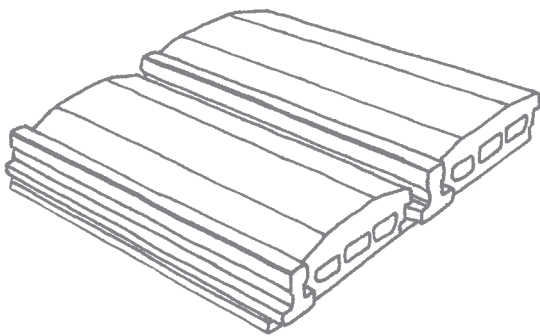


Precast Concrete Floors for Housing

Precast concrete is a versatile flooring product that has long been an efficient solution for a wide range of buildings. For floors in housing it offers a unique range of benefits.

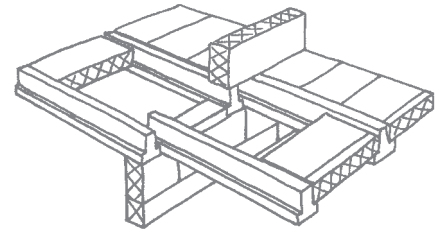
Precast concrete floors for housing can be of hollowcore units, beam and block, or lattice girder floor construction. Typical profiles are shown below.

Structural floor depths are usually 150mm-225mm. The overall floor depth depends on the chosen surface finish and the ceiling, when required.



Beam and Block

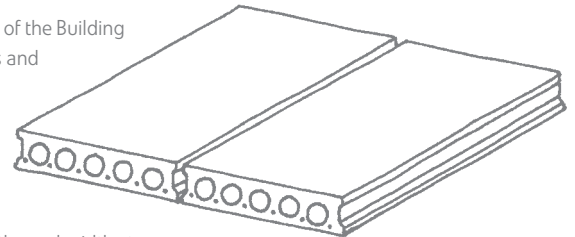
Available in a range of depths up to 225mm. Used in conjunction with standard format building blocks to provide a fast and cost effective floor deck. Suitable for use at both ground and upper floors and an ideal solution for compliance with Part 'E2' of the Approved Document 'E' (Sound Reduction).



Insulated Beam and Block

Prestressed beams used in conjunction with EPS (expanded polystyrene) blocks to provide inherent thermal insulation for ground floors.

Easily satisfies the requirements of Part 'L' of the Building Regulations enabling lower running costs and improved comfort levels.

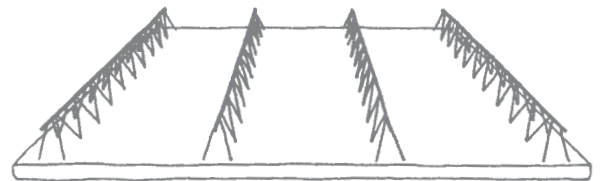


Hollowcore

Prestressed and reinforced hollow cored slab elements, available in a range of depths and widths to easily accommodate the longest of spans for domestic applications at ground or upper floors. The construction of choice for party floors in flats due to inherent fire and sound resisting qualities and like beam and block an ideal solution to Part 'E2' of the Approved Document 'E' of the Building Regulations.

Lattice Girder

Precast concrete permanent formwork used in conjunction with a composite concrete topping. Flat and fair faced soffit available for exposed concrete finish.



Precast Reinforced Stairs and Landings

Wide range of bespoke and standard squeak free stairs and landings available from PFF members, providing robust and instant access to upper floor levels



**PRECAST FLOORING
FEDERATION**
technically sound solutions

Precast Flooring Federation 60 Charles Street, Leicester LE1 1FB

Telephone: 0116 253 6161 Fax: 0116 251 4568

e-mail: info@precastfloors.info

www.precastfloors.info

Frequently asked questions

- Q** How are service penetrations accommodated?
A Vertical service holes can be preformed in hollow core floors or for beam and block, simply omit a local block and make good.

- Q** What about underfloor heating?
A Most floors have both a ceiling and surface finish. This provides suitable zones for accommodating horizontal services.

- Q** Does the void beneath ground floor require ventilation?
A It is good practice to vent the void beneath the ground floor to prevent the build up of foul air. However there is no requirement for oversite concrete.

- Q** How much do precast concrete floors cost?
A For an accurate and meaningful price forward your layout drawing to a member of the PFF for a quotation. Details of internal partitions and floor finishes along with any site access constraints should be included.

Upper Floors

- Sound resistance – Part 'E' compliant and squeak free
- Fire resistance – improved safety performance compared to alternative products
- Span/load performance – internal partition walls in any position
- Increased mass – improves the ability of the building to store heat.

Ground Floors and Basements

- Speed of construction – fastest and easiest to install
- Long spans
- Ideal for brownfield developments
- Thermal performance – Part 'L' compliance
- Design flexibility – reduced foundation cost
- Rot, damp and vermin proof
- Ideal base for underfloor heating

What to do next? Contact the PFF for a list of approved suppliers and get your project 'off the ground'.



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