THINKING PRECAST?
THINK FP MCCANN

PRECAST FLOORING SOLUTIONS

v.5.2

WHY CHOOSE PRECAST CONCRETE FLOORING SYSTEMS

FP McCann is one of the UK's leading manufacturers of high quality precast concrete products. A family run business with over 60 years' experience, we offer an extensive range of flooring solutions including beam and block/poly flooring, hollowcore flooring, stairs and landings to the industrial, commercial and domestic markets.

Modern manufacturing facilities at Weston Underwood, Derbyshire, Littleport and Uddingston, Lanarkshire and an in-house design team ensures we have the knowledge, experience and the manufacturing capacity to meet our customers' requirements.

FP McCann will deliver to locations throughout the UK and our sales and technical teams are on hand to discuss your requirements. All our products are manufactured in accordance with relevant British and European standards and we are quality assured to ISO 9001 and OHSAS 18001 Health and Safety Management System.

Whether you require a small 60m² plot or a 10,000m² floor, we have the slabs and the capacity to suit your needs. We work with everyone from multinational construction companies, architects, consultants and engineers to self-employed builders and we will always aim to build a solid working relationship with our client base.

CONTENTS

OUR COMPANY

FP McCann is the UK's largest manufacturer and supplier of precast concrete solutions. We are committed to high quality, cost-effective and sustainable solutions tailored to meet clients' requirements.

From our thirteen UK manufacturing facilities, FP McCann offers solutions that include architectural and structural solutions, rooms, flooring, fencing, walling, shafts, tunnels, drainage, rail, power and agricultural products. FP McCann has worked on a large range of Design for Manufacture and Assembly (DfMA) projects across the UK. Our in-house Digital Engineering capability has grown in line with government and client expectations.

OUR COMPREHENSIVE PRECAST CONCRETE BUSINESS EXTENDS TO INCLUDE:

AGRICULTURE | ARCHITECTURAL PRECAST | BOX CULVERTS | BUILDING PRODUCTS DOCK LEVELLER PITS | DRAINAGE | FENCING | FILTER BED SYSTEMS | FLOORING POWER & INFRASTRUCTURE | RAIL | SPECIALIST PRECAST | STRUCTURAL PRECAST TANKS & CHAMBERS | TUNNELS & SHAFTS | WALLING

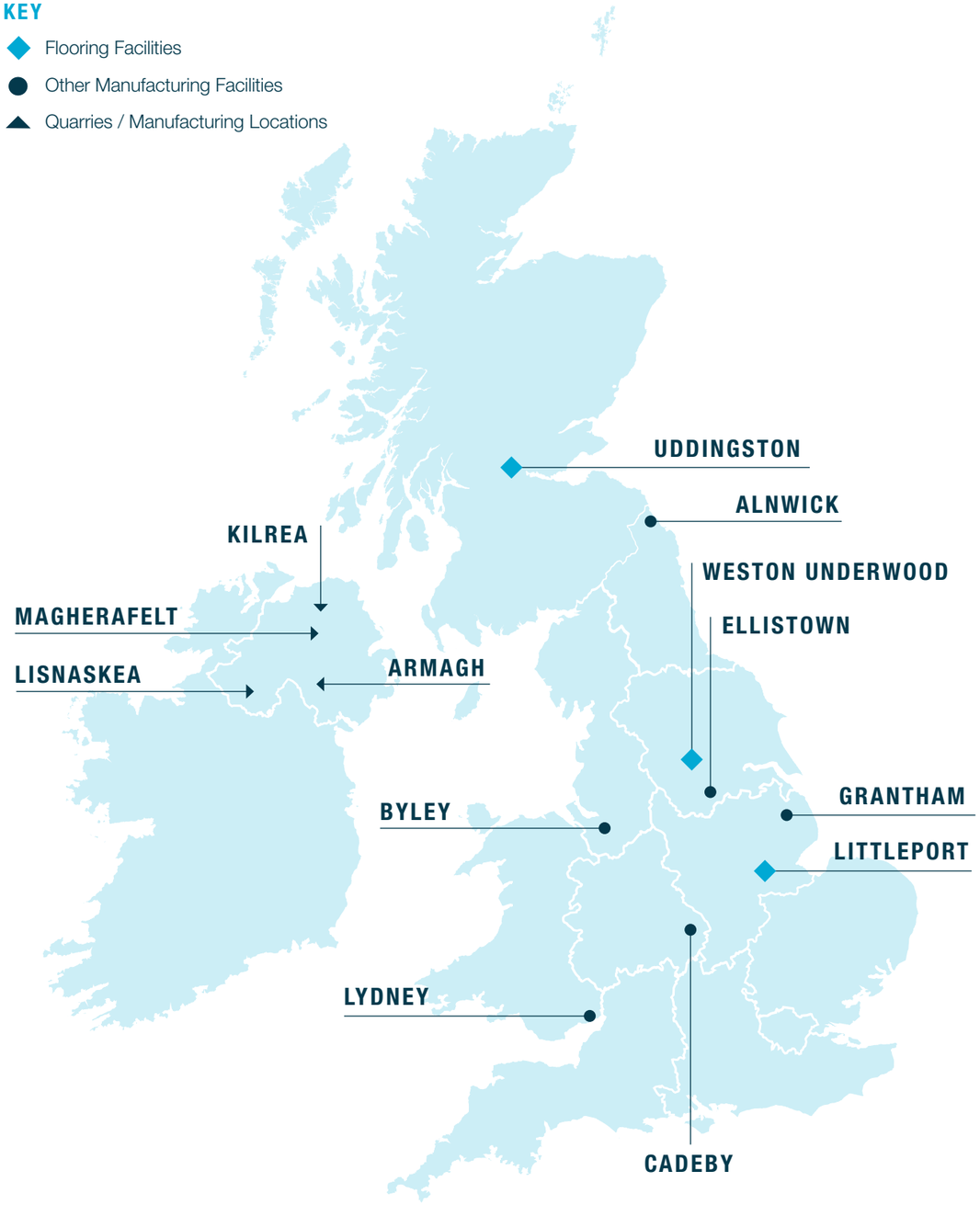
Modern manufacturing plants at Alnwick (Northumberland), Armagh (Northern Ireland), Byley (Cheshire), Cadeby (Warwickshire), Ellistown (Leicestershire), Grantham (Lincolnshire), Lisnaskea (Northern Ireland), Littleport (Cambridgeshire), Lydney (Gloucestershire), Magherafelt (Northern Ireland), Uddingston (Lanarkshire) and Weston Underwood (Derbyshire) incorporate the latest computerised batching, distribution, casting, curing and handling systems and are operated by skilled and experienced workforces to ensure consistency of quality. Their geographical spread gives us an unrivalled ability to serve the construction industry throughout the UK and Ireland.

By applying the DFMA principles, FP McCann's design engineers are able to evaluate individual precast concrete products part by part, in addition to documenting the assembly process step by step. This allows them to generate the cost, part count and assembly time to provide a benchmark to measure its success and identify the parts and process improvement opportunities. In turn, this has allowed FP McCann to design and manufacture more cost-effective and efficient high-quality precast concrete products with less wastage and greater on-site recycling. As a result, increased productivity, combined with a reduction in production time and costs, allows FP McCann to be more competitive within the marketplace.

OUR COMPANY

KEY

- Flooring Facilities
- Other Manufacturing Facilities
- Quarries / Manufacturing Locations



WESTON UNDERWOOD FACILITY

FACTORY INFORMATION

- Former Tarmac Topfloor facility, acquired in 2013
- £4.65M capital expenditure invested in upgrading the facility since January 2014
- Large production capacity incorporating 19 no. x 100m manufacturing lines
- All products are CE marked
- Extensive 45 acre site allows for high storage capacity
- T beam, hollowcore and stairs/landings manufactured on site
- Centrally located, Derbyshire based manufacturing plant allows for easy access to all parts of the country
- High quality extruded T beam and hollowcore allowing universal manufacture across all lines
- Highly experienced in-house design team
- Extensive range of delivery vehicles including artics, rear steer trailers and rigids
- Our highly experienced installation team adhere to the British Precast Flooring Federation Code of Practice for the Safe Installation of Precast Concrete Flooring and Associated Components

UDDINGSTON FACILITY

FACTORY INFORMATION

- Modern precast concrete manufacturing facility located in Glasgow
- Adjacent to main motorway network, our reliable transport fleet are able to service our customers' needs throughout Scotland and North England
- Long-line prestressed concrete production capacity of 1100m² per day
- Bespoke concrete production capability with reinforcement and carpentry facility
- ISO 9001, ISO 14001, OHSAS 18001 and factory production control (CE)
- Highly experienced design, planning, production and installation teams delivering exceptional customer service


HOLLOWCORE FACILITY

LITTLEPORT FACILITY

FACTORY INFORMATION

- Purchase from Charcon Construction Solutions business in 2013 and relocation to 32 Arce Site at Littleport
- Ideal geographical location in Cambridgeshire to service the greater London area and the surrounding southern areas
- £10.5M capital investment in upgrading the existing buildings and construction of new flooring and structures manufacturing facilities
- Extensive Range of on-site and delivery vehicles
- 6no. T beam moulds with a daily capacity of 4300 linear metres
- Highly experienced manufacturing team in both standard products as well as bespoke products

BEAM & BLOCK FLOORING SYSTEM

The traditional beam and block flooring system involves laying precast, prestressed concrete floor beams across or between walls which are then infilled with concrete blocks.

FP McCann manufactures 150mm and 225mm deep concrete floor beams, with the 150mm beams coming in a variety of widths. Spans of up to 7 metres can be achieved, depending on loading conditions.

This dry construction method can be used to produce high-quality economic ground and upper floors in residential and other building types.

Our quotations will stipulate the number and type of blocks required to complete the floor. Precast concrete floor beams are available on a supply only or a supply and fix basis.

Did you know that 75% of ground floors now utilise beam and block of some form? This could either be with a concrete block or a polystyrene panel.

KEY BENEFITS

- Free quotations available
- Concrete block and poly panel solutions available
- All weather install
- Beam and EPS poly system can be designed in line with new Part L regs being introduced

BEAM & POLYSTYRENE PANEL FLOORING

FP McCann offers a choice of two energy-efficient beam and polystyrene panel systems, outlined below.

TOP SHEET SYSTEM

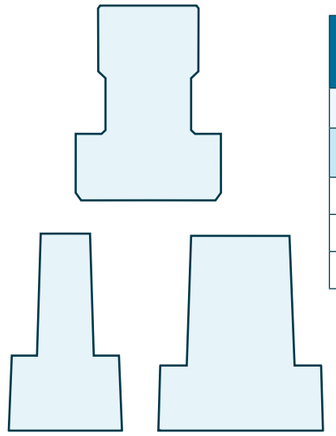
Our top sheet flooring system incorporates a polystyrene panel which sits within the depth of the floor beam, as well as including an overboard top sheet to sit on top of the floor. U-values of 0.10 W/m²K or better can be achieved with our top sheet system. This system is easier to install than the undercloaking system, creates very minimal waste and has been tested to allow block partitions to be built off the floor.

UNDERCLOAKING SYSTEM

We also supply an undercloaking system which incorporates one panel that fits within the floor beam depth, as well as falling beneath the level of the beam to allow for complete thermal coverage. U-values from 0.08 W/m²K or better can be achieved utilising the undercloaking system and only requires ‘one fix’ when it comes to infilling with polystyrene as no top sheet is required.

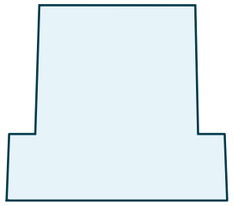
BEAM & BLOCK DIMENSIONS

150MM DEEP T BEAM



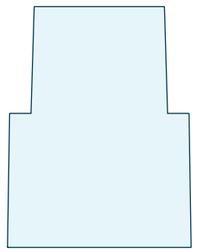
Span Load Table - 150mm Deep T Beam		Finishes = 1.5kN/m²					
		Superimposed load in kN/m²					
Floor case (based on 1400kg/m³ block density)	Floor self weight kN/m²	1.5	2	2.5	3	4	5
150 DEEP T BEAM		Maximum clear span (m)					
Single beam - full block	1.78	4.30	4.10	3.90	3.74	3.46	3.24
Single beam - full block/narrow block, alternate	1.88	4.82	4.58	4.37	4.20	3.90	3.65
Single beam - narrow block	2.07	5.57	5.31	5.08	4.88	4.34	4.26

150MM DEEP WIDE BEAM



Span Load Table - 150mm Deep Wide Beam		Finishes = 1.5kN/m²					
		Superimposed load in kN/m²					
Floor case (based on 1400kg/m³ block density)	Floor self weight kN/m²	1.5	2	2.5	3	4	5
150 DEEP WIDE BEAM		Maximum clear span (m)					
Single beam - full block	1.96	4.75	4.67	4.56	4.37	4.07	3.81
Single beam - full block/narrow block, alternate	2.10	5.07	4.99	4.90	4.80	4.51	4.24
Single beam - narrow block	2.33	5.48	5.40	5.30	5.25	5.10	4.83

225MM T BEAM



Span Load Table - 225mm T Beam		Finishes = 1.5kN/m²					
		Superimposed load in kN/m²					
Floor case (based on 1400kg/m³ block density)	Floor self weight kN/m²	1.5	2	2.5	3	4	5
225MM T BEAM		Maximum clear span (m)					
Single beam - full block	2.29	6.25	5.99	5.74	5.53	5.15	4.84
Single beam - full block/narrow block, alternate	2.55	6.90	6.60	6.34	6.11	5.71	5.38
Single beam - narrow block	2.99	7.77	7.45	7.18	6.94	6.51	6.15

ANCILLARIES & ADDITIONAL SERVICES

SUPPLY & FIX

As well as offering products on a supply only basis, we also offer a supply and install service. Any contract undertaken on a supply and fix basis will include labour and plant, as necessary.

TRANSPORT

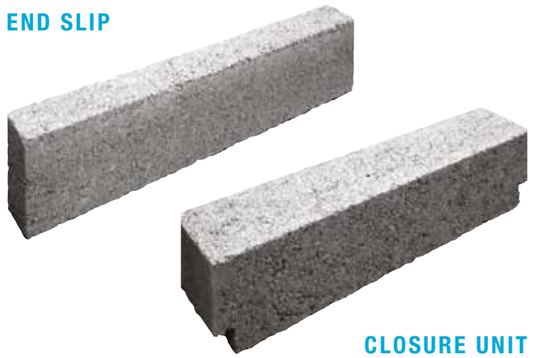
We have a range of delivery vehicles available including articulated vehicles, rear wheel steer trailers or rigid loads.
Please contact us for further details.

MERCHANTS

Beams are readily available for stock and can be supplied in standard lengths. Blocks are available on a supply and fix basis only. For further information on this, please contact us.

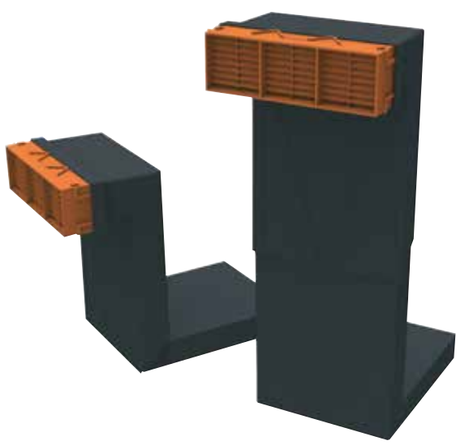
Alongside our beam and block flooring solutions, we offer the relevant ancillary products such as end slips, closure units, ceiling clips, vents and air bricks. These extras will be detailed on our quotation and shown as either an extra-over or an inclusion.

END SLIP

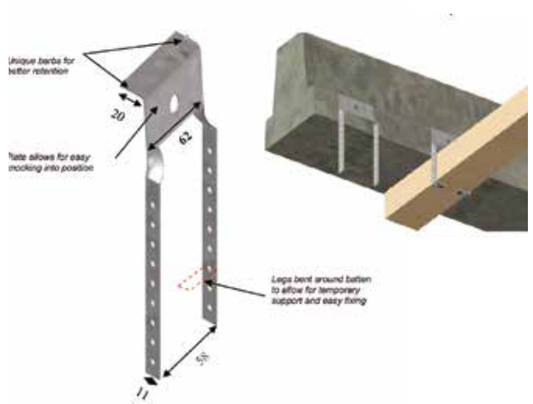


CLOSURE UNIT

VENTS AND AIR BRICKS



CEILING CLIPS



HOLLOWCORE FLOORING

FP McCann manufactures precast concrete hollowcore flooring units. These units are a prestressed concrete slab normally 1200mm wide (part widths are also available if required) and a current depth range of 150mm to 500mm. In addition to this range, we also manufacture a 100mm deep precast concrete floor slab.

Our hollowcore slab production techniques are constantly being updated and developed to offer additional slab depths to the range and also increase efficiency and achieve higher quality. As with our other flooring products, hollowcore slabs can be used with masonry, steel precast and in-situ forms of construction.

Whether you require a small 60m2 plot or a 10,000m2 floor, we have the slabs and the capacity to suit your needs. We work with everyone from multinational construction companies, architects and engineers to self-employed builders and we will always aim to work efficiently and effectively to build solid working relationships

PRESTRESSED HOLLOWCORE FLOORING BENEFITS

- Long spans
- Quick installation, particularly when compared to wet concrete solutions
- Immediate working platform
- High load capacity
- Preformed holes for services
- A wide range of slab depths available
- Can be used with masonry, steel, precast and in-situ forms of construction

DESIGN & MANUFACTURE

- Designed to BS EN 1992-1-1 and BS EN 1992-1-2
- Can be designed as a composite floor
- Lifting points can be provided
- All units can be offered with insulation preattached to the soffit
- Prestressed design with inherent pre-camber (guidance only span/ 300)
- The fire-resistance rating of up to 2 hours
- 50 to 100-year lifespan
- Can easily incorporate disproportionate collapse details

TYPICAL APPLICATIONS

- Residential (Multi-occupancy)
- Offices
- Education
- Car Parks
- Retail
- Custodial

HOLLOWCORE FLOORING

HOLLOWCORE LOAD/SPAN TABLE

Spans indicated opposite allow for characteristic service load (live load kN/m²) + unit self WT + 1.5kN/m² for floor finishes.

Unit Depth (mm)	Self Weight (kN/m²)	Fire Rating (hrs)	Characteristic Service Load kN/m²									
			0.75	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10	15.0
150	2.36	*1	7.50	7.50	7.50	7.50	7.50	7.10	6.60	5.80	5.20	4.50
150H	3.02	*1	7.50	7.50	7.50	7.50	7.40	6.90	6.40	5.60	5.10	4.40
200	2.98	*1	10.00	9.90	9.70	9.20	9.00	8.40	7.90	7.00	6.30	5.40
250	3.62	*1	12.50	11.70	11.30	10.90	10.50	9.80	9.30	8.20	7.50	6.40
260	3.47	*1	13.00	12.50	12.00	11.50	11.00	10.50	10.00	8.50	8.00	7.00
300	3.99	2	14.60	14.30	14.10	13.60	13.30	12.50	11.90	10.70	9.70	7.90
350	4.41	2	16.00	15.00	14.90	14.70	14.50	14.20	13.20	12.00	10.80	9.50
400	4.77	2	17.00	17.00	17.00	16.30	15.70	15.10	14.40	13.10	12.10	10.50
450	5.36	2	17.00	17.00	17.00	17.00	16.50	16.20	15.20	14.00	13.00	11.30
500	5.92	2	18.00	18.00	18.00	18.00	18.00	17.20	16.50	15.00	13.90	12.00

NOTE:
Tables are given as a guide only. When using maximum spans, consideration to the effect of camber/ deflection on finishes/ internal partitions is advised. Reinforcement patterns will vary, dependent on the spans/ loads specified.

Tables do not consider reduced capacities for potential service hole requirements or additional loads to those stated above. For alternative load/ span combinations, including service hole requirements or composite designs, please consult the FP McCann design office.

* 2hr available. Please consult the FP McCann design office for further details.

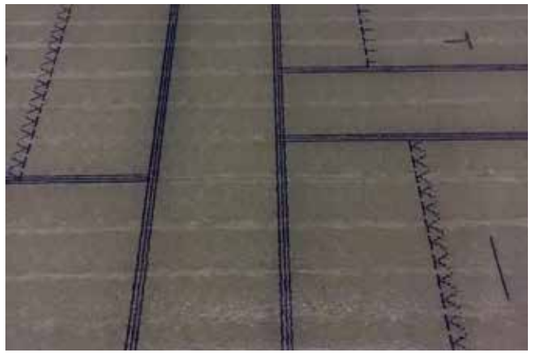
SOLID COMPOSITE PLANK LOAD/ SPAN TABLE

Unit Depth & Concrete Topping (mm)	Self Weight (kN/m²)	Fire Rating (hrs)	Propped Y/N	Characteristic Service Load Kn/m²								
				0.75	1.50	2.00	2.50	3.00	4.00	5.00	10.00	15.00
75 + 75	3.57	1	N	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.50
75 + 100	4.24	1	N	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.65
100 + 50	3.55	*1	N	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.10	3.68
100 + 100	4.75	*1	N	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.30	3.90
75 + 75	3.57	1	Y	7.50	7.00	6.80	6.50	6.35	5.95	5.60	4.56	3.92
75 + 100	4.24	1	Y	8.32	7.78	7.52	7.25	7.02	6.62	6.29	5.12	4.05
100 + 50	3.55	*1	Y	7.80	7.27	7.00	6.75	6.50	6.10	5.60	4.10	3.65
100 + 100	4.75	*1	Y	9.10	8.50	8.22	8.08	7.82	7.33	7.05	5.80	4.00

INK JET PLOTTER

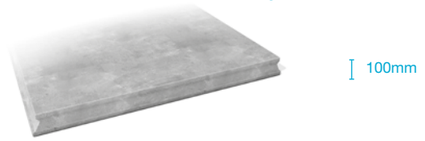
The ink jet plotter brings quality, detailing and dimensional benefits to our hollowcore flooring product. During the manufacturing process, the ink jet accurately details the exact dimensions from the designers AutoCAD drawings onto the top surface of the hollowcore.

This ensures that the lengths and any required features are formed exactly as designed. The unique identification of each unit, together with the weight and traceability information, is also printed onto the flooring units.

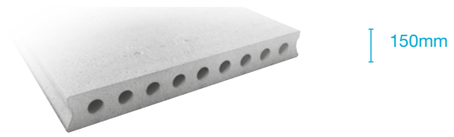


AVAILABLE SLAB DEPTHS

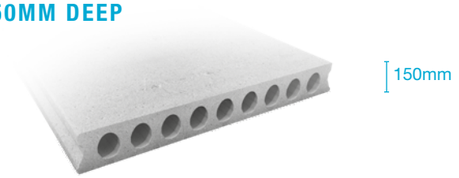
100MM DEEP (60/75/160 ALSO AVAILABLE)



150MM H DEEP

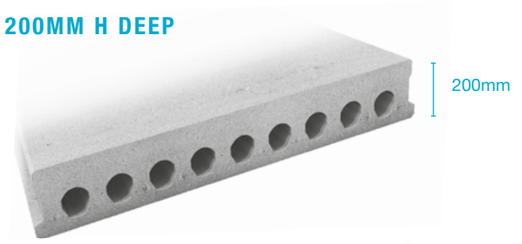


150MM DEEP



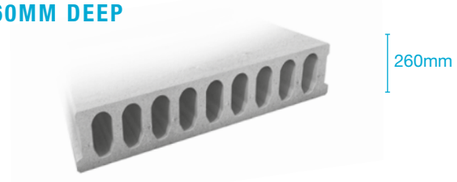
200MM DEEP

200MM H DEEP

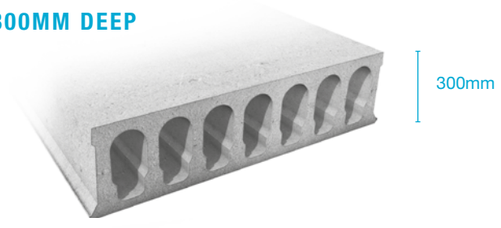


250MM DEEP

260MM DEEP

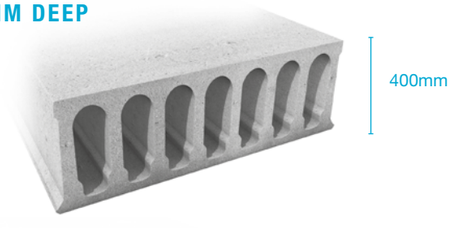


300MM DEEP



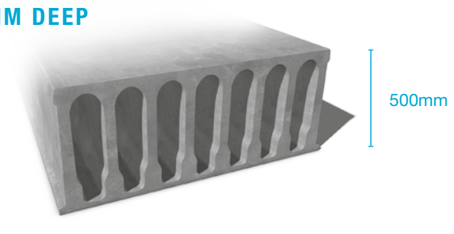
350MM DEEP

400MM DEEP



450MM DEEP

500MM DEEP



THERMABEAM™

INSULATED GROUND FLOORING SOLUTIONS

ThermaBeam™ is an insulated precast flooring system that combines both high performance expanded polystyrene (EPS) insulation and structural grade reinforced concrete, forming a continuous layer of insulation across the entire floor.

The ThermaBeam™ flooring system is manufactured in steel moulds to strict quality standards. The C45/55 structural concrete is cast onto the insulation, eliminating air gaps and minimising heat loss; thereby providing a significant reduction in cold bridging, resulting in an evenly spread thermal performance. U-Values as low as 0.10W/m² can be achieved. This is because the units bear on the inner leaf of cavity walls, a reduction in heat loss can be achieved at the wall-floor junction because the insulation extends beyond the floor to the face of the wall cavity, ensuring continuity of insulation at the junction.

Therefore, the ThermaBeam™ flooring system is a more thermally efficient method of construction compared to traditional methods as it helps to maximise the thermal performance and energy rating of the building. With a choice of two insulation types available - poly or poly plus, it is the perfect solution for use as a ground floor in domestic and residential buildings.

The ThermaBeam™ flooring system also helps to reduce CO^2 emissions by decreasing the amount of non-renewable energy required to heat the building, helping to achieve the required Target Emissions Rating (TER).

ThermaBeam™ units are available in standard depths of 300mm and 375mm and a choice of four nominal widths – 400, 600, 900 and 1200mm.

BENEFITS

- Low on-site costs and space required since units are manufactured off-site
- Fast installation, enabling a safe platform for follow-on trades within a few hours
- Excellent thermal performance due to its insulating properties. A reduction in cold bridging is achieved, resulting in better Psi (ψ) values
- U-Values as low as 0.10W/m² K, based on a P/A ratio of 0.2 can be achieved
- Helps building to achieve a higher energy-efficiency rating
- Reduced safety issues – reduced on-site working
- High quality units are designed in accordance with relevant BS EN standards: BS EN 1992-1-1:2004 (Eurocode 2: Design of concrete structures) and BS EN 13224:2001 (Precast Concrete Products – Ribbed Floor Elements
- Low carbon footprint – since less energy is required to heat building
- Spans up to 7.5m (depending on load)

KEY

1. Self levelling compound
2. C25/30 structural grout
3. EPS insulation
4. Side bearing stool
5. DPC

THERMABEAM™ TECHNICAL SPECIFICATIONS

DESCRIPTION

The ThermaBeam™ flooring system consists of the following components:

EPS – moulded rigid boards in two grades in accordance with BS EN 13163 : 2012.
(white, λ*90/90* = 0.038 and Grey, λ*90/90* = 0.030)

Concrete – minimum grade C45/55 to BS EN 206 : 2013, BS 8500-1 : 2015 and BS 8500-2 : 2015

Steel reinforcement – to BS 4449 : 2005

Thermbeam unit	Perimeter/ Area Ratio	U-Value (W/m²K)
300mm	0.2	*0.11W/m²K
375mm	0.2	*0.10W/m²K

* Figures based on the Poly Plus Insulation

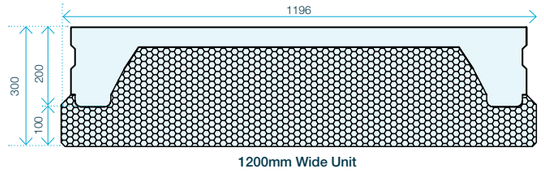
ANCILLARY ITEMS

The below items can form part of the overall floor construction:

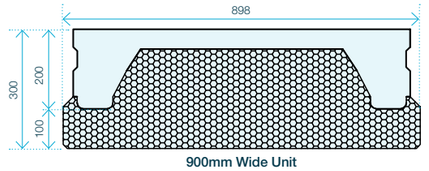
- Joint filling — concrete or sand-cement mortar with a strength class C25/30 and maximum aggregate size of 10mm
- **Concrete floor screed – typically between 25 and 100mm thick
- **Self-levelling compound
- **Timber battens – to receive floor finishes
- **Other suitable non-structural applied floor finishes
- **Damp-proof courses (dpcs), damp-proof membranes and gas barrier membranes (with third-party approval and compatible with EPS)
- Telescopic ventilators

** Items supplied by other companies

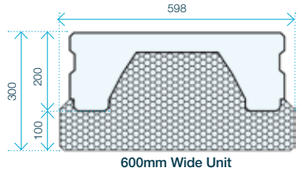
300MM THERMABEAM™



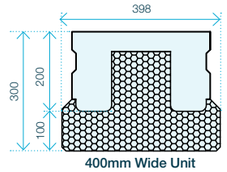
1200mm Wide Unit



900mm Wide Unit

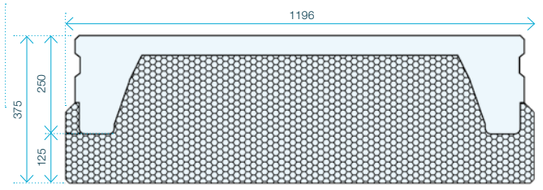


600mm Wide Unit

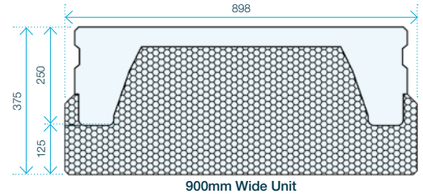


400mm Wide Unit

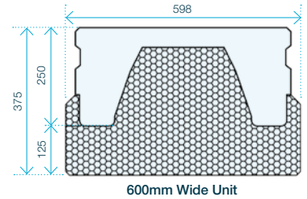
375MM THERMABEAM™



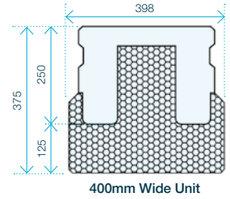
1200mm Wide Unit



900mm Wide Unit



600mm Wide Unit



400mm Wide Unit

All dimensions in mm

PRECAST STAIRCORES

FP McCann has vast experience in delivering bespoke precast stair core solutions based on two design options, stability cores and freestanding cores. The key difference being that stability cores provide lateral stability to the whole surrounding structure.

We offer a full design and installation service throughout the UK. We work closely with your design team at an early stage to develop the optimum solution to meet your needs. As a result, the minimum of temporary works is required on-site.

L and T shaped walls form our precast concrete stair cores. If the core dimensions suit, precast box units can also be adopted. Inside the stair core, FP McCann provides precast stairs and landings with cast-in lifting points making installation efficient and safe.

The wall thickness will depend on the type of stair core you choose (ie. stability or freestanding), fire rating and the number of storeys. However, with FP McCann huge production and mould capacity we have a solution for all scenarios.

We manufacture all the precast components using self-compacting concrete which results in a high-quality finish.

KEY BENEFITS

- Units produced in a factory-controlled environment
- Quick installation
- Increased health and safety with reduced temporary works
- Immediate working platform
- Inherent fire resistance

PRECAST STAIRS & LANDINGS

FP McCann provides precast concrete stairs and landings which allow immediate access to site personnel and following trades and also the final end-users.

Using FP McCann precast stairs helps to eliminate the need for expensive form work and temporary propping. All the flights have cast in lifting points to make installation efficient, easy and safe. FP McCann has built up vast knowledge and experience of different types of applications of precast concrete stairs and landings over the years. We can share this knowledge through our technical support, design and installation services.

KEY BENEFITS

- Self-compacting concrete provides a high-quality finish
- Cast on edge or flat, depending on finish requirements
- A range of casting options are available for integral or separate landings
- Quick installation
- Immediate access
- High load capacity

PRECAST CONCRETE STAIRS AND LANDING INSTALLATION SERVICE

Our specialist team will install your stairs with expertise and efficiency. Our installers are highly-trained and vastly experienced. By choosing to use our installation service we aim to get your job done quickly and safely. We can offer professional advice and guidance on compliance with health and safety legislation. Especially when it comes to working at height, we can supply the necessary fall protection whilst the staircases are installed.

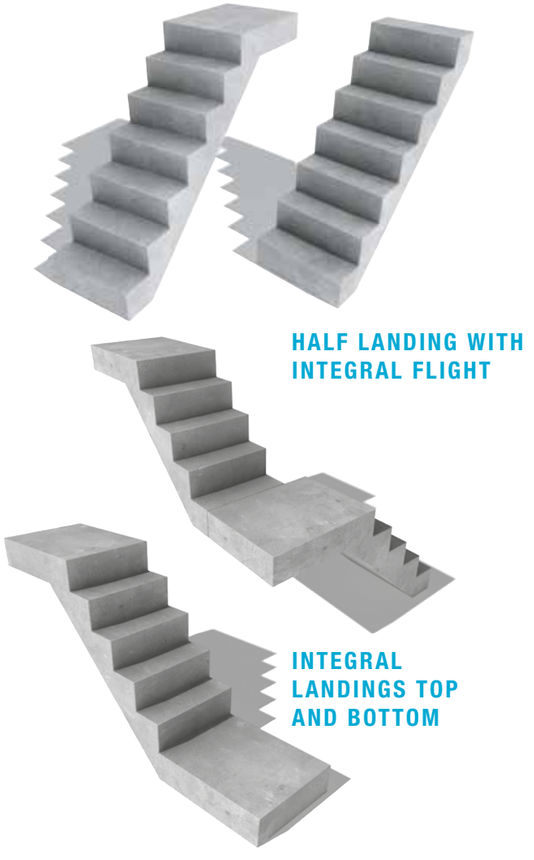
When using our installation service, an FP McCann Contracts Manager will visit your site before installation to discuss all health and safety issues and ensure all the correct procedures are in place. They will also ensure the crane requirements are correctly planned and that costs and time are kept as low as possible, minimising disruption.

PRECAST CONCRETE STAIRS AND LANDING DESIGN SERVICE

With our designers years of experience, we can offer a design service covering many staircase applications, including creative solutions to unconventional applications.

INTEGRAL TOP LANDING

STRAIGHT FLIGHT



HALF LANDING WITH INTEGRAL FLIGHT

INTEGRAL LANDINGS TOP AND BOTTOM

DRAKELOW HOMES THERMABEAM™ FLOORING INSTALLATION

Site: Rosilton Road, Drakelow

Client: Lioncourt Homes

Main Contractor: Friel Construction

Products Supplied: Thermabeam™ Flooring System

FP McCann's new precast concrete insulated Thermabeam flooring system has recently been installed on a housing development at Drakelow, South Derbyshire. The developer Lioncourt Homes, is building 70 new properties on the Rosliston Road site.

Civil engineer and ground worker Friel Construction, the contractor responsible for drainage, roads and foundation construction to ground floor level, is utilising the brand new Thermabeam flooring system on one of the plots as an initial trial, in support of FP McCann's development of the innovative alternative to traditional solid slab flooring.

The unique precast concrete units come in standard widths up to 1200mm and at 300mm deep; achieving spans up to 6.5 metres. This enables quick installation, allowing a safe platform for follow-on trades in a matter of hours.

Thermabeam combines both high performance expanded polystyrene (EPS) and reinforced concrete, forming a continuous insulated floor with a significant reduction in cold bridging. Excellent thermal properties are achieved and the system helps to reduce CO^2 emissions by decreasing the amount of non-renewable energy required to heat the building.

In construction off-site, the structural concrete is cast onto the insulation layer, eliminating any air gaps in the finished product.

BARRETT HOMES T BEAM FLOORING INSTALLATION

Site: Stone, Staffordshire

Client: Barratt Homes

Main Contractor: Friel Construction

Products Supplied: Beam and Block Flooring System

Civil engineer and ground worker Friel Construction, the contractor responsible for construction to ground floor level, is utilising the beam and block process as specified by the house builder. Typically, on this type of domestic build, a 150mm deep, narrow beam is being used with a standard building block infill. The beams are laid in a single span across the brickwork of the foundation and the blocks are simply placed in between to provide a structure that not only provides a solid, safe working platform, but also a floor that has excellent thermal fire resisting and acoustic properties.

The commencement of operations at Weston Underwood towards the end of 2013 coincided with a surge in the new build housing sector and with the beam and block flooring system the chosen method for the majority of builders for suspended floors.

NEW VIRGIN HOTEL EDINBURGH

Site: New Virgin Hotel - Victoria Street, Edinburgh

Client: India Buildings Ltd

Main Contractor: Careys & Thomas Johnstone

Products Supplied: Precast Concrete Hollowcore Floors, Stair Flights and Landings

FP McCann's Uddingston manufacturing facility has recently completed the supply package of precast concrete hollowcore flooring, stair flights and stair landings to the first Virgin Hotel in the UK.

Currently under construction within the famous India Buildings in Victoria Street, Edinburgh, the 5* hotel is due to open in spring 2022. The project also includes the redevelopment of three existing Grade A listed buildings and new build pavilion all part of the UNESCO world heritage site. The scheme will deliver a new hotel providing 225 bedrooms with all associated restaurant, bar, meeting, conference and function facilities, including the Virgin brand's flagship space, "Commons Club".

The ten storey development includes the construction of a steel frame and precast concrete superstructure, with FP McCann's hollowcore floor planks covering a total floor area of 6,184m2. Groundworks, building foundation, ground floor slab and construction up to the 3rd floor, has been undertaken by Careys, with specialist fit-out contractor Thomas Johnstone completing the high level build and finishing works on the landmark project. Working on behalf of both, is structural steel fabrication and installation specialist, BSB Structural. The Motherwell based company is undertaking the building's steel framework, precast hollowcore flooring and stair flight installation.

The high profile build is being overseen by global property and construction consultancy Thomas and Adamson. Delivering the project is Glasgow based architect ICA alongside Edinburgh's engineering design consultant Will Rudd Davidson who are responsible for the structural engineering to achieve the design intention of all the buildings in the proposed hotel development.

WESTON UNDERWOOD OFFICE:
Bullhurst Lane
Weston Underwood
Derbyshire
DE6 4PH
T 01335 361269
sales@fpmccann.co.uk

UDDINGSTON OFFICE:
New Edinburgh Road
Uddingston Glasgow
Lanarkshire
G71 6NE
T 01698 803300
sales@fpmccann.co.uk

LITTLEPORT OFFICE:
Wisbech Road
Littleport
Cambridgeshire
CB6 1RA
T 01353 861416
sales@fpmccann.co.uk

AGRICULTURE
Lydney 01594 847500 Grantham 01476 562277

ARCHITECTURAL PRECAST
Byley 01606 843500 Grantham 01476 562277 Littleport 01353 861416

BOX CULVERTS
Weston Underwood 01335 361269

BUILDING PRODUCTS
Cadeby 01455 290780

DOCK LEVELLER PITS
Weston Underwood 01335 361269

DRAINAGE
Ellistown 01530 240000 (England/Wales) Magherafelt 028 7954 9026 (Scotland)

FENCING
Cadeby 01455 290780

FILTER BED SYSTEMS
Littleport 01353 861416

FLOORING
Weston Underwood 01335 361269 Uddingston 01698 803300 Littleport 01353 861416

POWER & INFRASTRUCTURE
Littleport 01353 861416

RAIL
Littleport 01353 861416

SPECIALIST PRECAST
Littleport 01353 861416

STRUCTURAL PRECAST
Byley 01606 843500 Grantham 01476 562277 Littleport 01353 861416

TANKS & CHAMBERS
Littleport 01353 861416

TUNNELS & SHAFTS
Cadeby 01455 290780

WALLING
Grantham 01476 562277 Lydney 01594 847500
Uddingston 01698 803 300 (Scotland)

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