CREAGH
INNOVATION IN CONCRETE

FLOORING **SOLUTIONS BY CREAGH**

The complete package

Rev J

ABOUT US

Creagh Concrete is one of the UK's largest manufacturers and installers of precast concrete.

With over 50 years of experience, Creagh leads the market in innovative precast solutions across diverse sectors. We provide a wide range of precast products for multi-storey car parks, education, commercial, and residential projects. Our commitment to innovation and unmatched technical support helps our customers overcome today's construction challenges.

We operate manufacturing facilities and offices in England, Scotland & Northern Ireland, providing us with the capacity to deliver high-quality service and meet the growing demands of our customers. Our experienced design and engineering team excels in value engineering projects for a diverse clientele, including consultants, multinational construction companies, architects, developers, and builders.

Our commitment to tenacity and innovation enables us to supply and deliver to any location throughout the UK and Ireland, setting new standards in precast construction.

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Creagh are the leading provider of innovative precast concrete solutions tailored to a wide array of applications. Our expertise spans residential, custodial, educational, industrial, and commercial sectors, including multi-storey car parks.

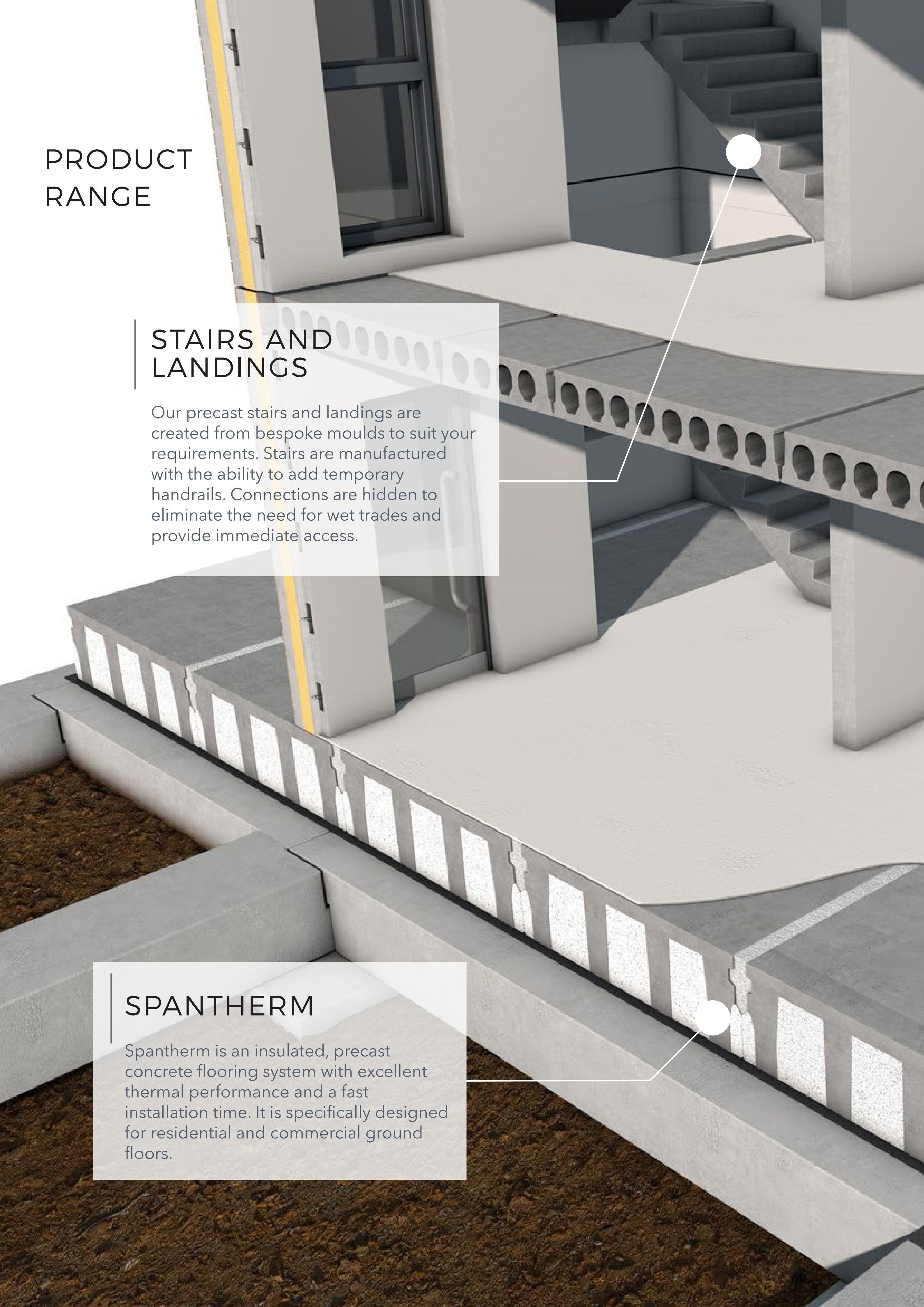
From the superior thermal efficiency of Spantherm to the robust versatility of hollowcore flooring, our products ensure exceptional performance and durability.

At Creagh, we offer an unrivalled service package, encompassing supply, installation, and in-situ concrete, taking full design responsibility to streamline your project. This comprehensive approach makes us a true one-stop shop, ensuring seamless coordination and delivery from concept to completion.

Our commitment to efficiency and effectiveness is exemplified through the use of modern, offsite construction methods, which significantly reduce on-site time and disruption. By manufacturing components in a controlled environment, we maintain the highest standards of quality and precision, resulting in faster build times and cost savings for our clients.

Creagh's solutions are designed with flexibility in mind, catering to the unique demands of each project. Our Spantherm insulated precast flooring system offers exceptional thermal performance, reducing energy costs and enhancing comfort in residential and custodial buildings. Meanwhile, our hollowcore flooring systems provide unparalleled strength and adaptability, ideal for educational institutions, industrial facilities, and commercial developments.

Choosing Creagh means partnering with a company dedicated to innovation, reliability, and customer satisfaction. Discover how our precast concrete solutions can elevate your project to new heights, providing a strong, sustainable foundation for the future.



PRODUCT RANGE

STAIRS AND LANDINGS

Our precast stairs and landings are created from bespoke moulds to suit your requirements. Stairs are manufactured with the ability to add temporary handrails. Connections are hidden to eliminate the need for wet trades and provide immediate access.

SPANTHERM

Spantherm is an insulated, precast concrete flooring system with excellent thermal performance and a fast installation time. It is specifically designed for residential and commercial ground floors.

RAPIDCORE

Rapidcore is the smart choice for bespoke manufactured lift and stair cores that are installed quickly and efficiently by our specialist teams. Rapidcore can be used as shear walls to provide lateral stability and when used with our stairs and landings provide safe and immediate access to adjoining floors.

PRESTRESSED HOLLOWCORE

Our hollowcore slabs are lightweight, yet durable enough to provide floors to support heavy loads. They deliver outstanding thermal properties to improve efficiency in all types of buildings.

GROUND BEAMS

We also offer ground beams per project made to order. Our ground beams provide a fast and secure easy-lock-in system as an efficient alternative to the traditional method of foundation construction.

Spantherm Ground Floors

spantherm®
Insulated Concrete Floors from Creagh

Spantherm is an insulated, precast concrete flooring system designed specifically for residential and commercial ground floors. By producing high performance insulated structural concrete units off-site, we have redefined the speed of installing a fully insulated ground floor. Floors can be installed in minutes, not days, to a much higher standard than the traditional method. This is the next generation of structural flooring systems designed as the efficient alternative to labour intensive beam and block installation.

WHY CHOOSE SPANTHERM?

- Typical floor installed in under 1 hour.
- Provides a level structure without camber for ease of construction.
- Installation in any weather.

- Service openings are pre-formed offsite.
- Zero waste & storage.
- Labour radically reduced.
- 'No void' option reduces excavation.

- No manual handling.
- Reduced vehicular movements on-site.
- Secure working platform established quickly.
- Mechanical offload eliminates working from height.

CERTIFCIATION

Spantherm holds both BBA and NSAI certification

SCAN ME

More Information

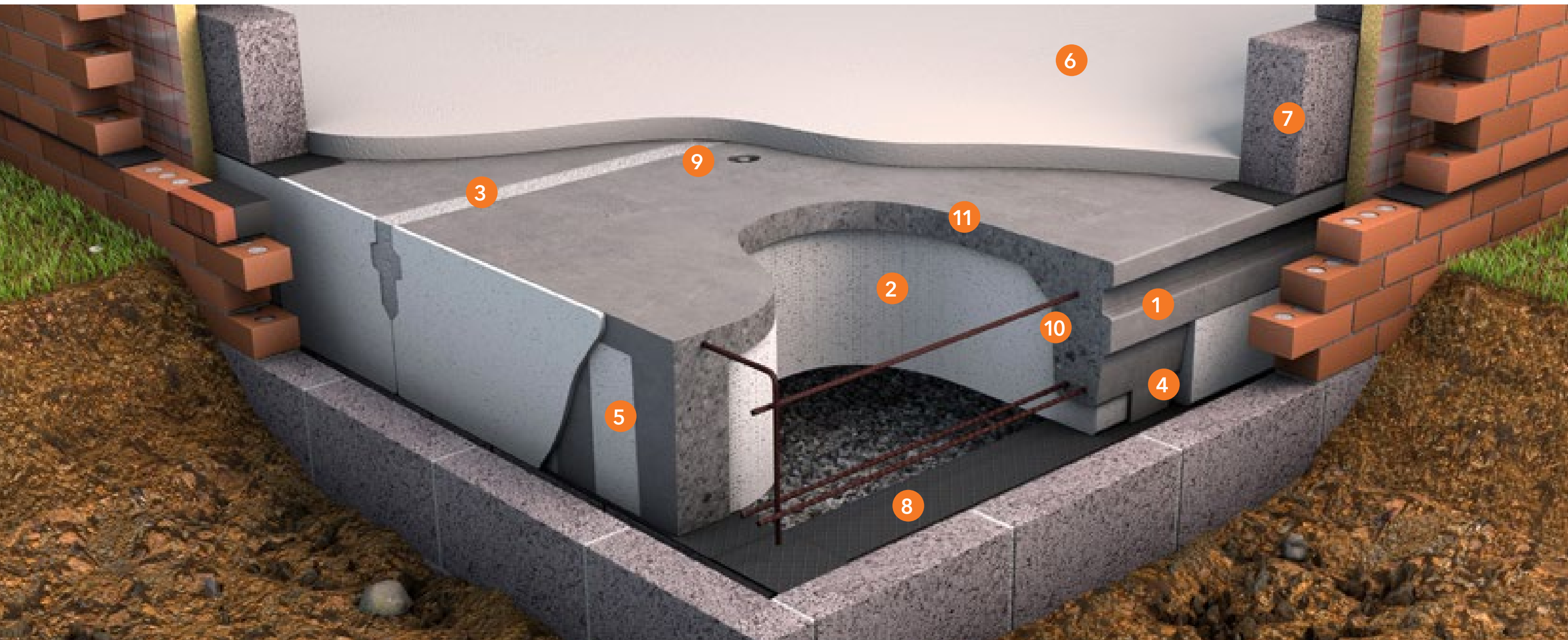
INSTALLATION

1. Units are delivered to site ready for installation by an experienced Creagh fitting team or your own ground workers.

2. Once in position, the units are jointed together with a structural concrete grout.

3. The floor is safe and accessible immediately after it is fitted. Full structural strength is achieved in 72 hours, allowing loading of the floor to commence.

4. A finished floor surface, ready to accept internal floor finishes, is provided by the application of a non structural topping.



1200MM WIDE X 375 / 300MM DEEP SPANTHERM UNIT

- 01 Structural rib
- 02 EPS insulation
- 03 C25/30 Structural grout
- 04 Side bearing stool
- 05 End bearing stool
- 06 Non structural topping or wooden floor
- 07 Inner leaf of building from blocks or Timber
- 08 DPC
- 09 Cast-in lifting pins
- 10 Rebar reinforcement within structural rib
- 11 Steel mesh reinforcement or macro synthetic fibre reinforcement, dependant on project specification

OUTSTANDING THERMAL PERFORMANCE

The system integrates structural concrete with expanded polystyrene insulation. The tightly butted units lock in the thermal performance efficiently across the slab.

BETTER U-VALUES

ACHIEVE A U-VALUE AS LOW AS:

0.10W/m²K

Spantherm Plus based on a P/A ratio of 0.4

REDUCED COLD BRIDGING

As you can see by the profile, spantherm is designed to severly reduce cold bridging at wall/ floor junctions making an important contribution to thermal performance. The Psi values offer improvement over both the default and approved values within table K1 SAP 2012.

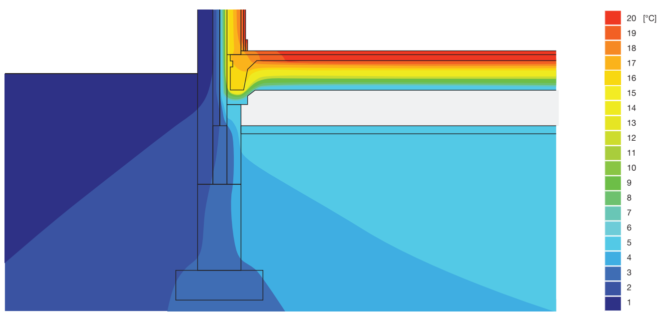
TYPICAL PSI VALUE

0.01 - 0.14W/mK

CREAGH THERMAL TECHNICAL SERVICES

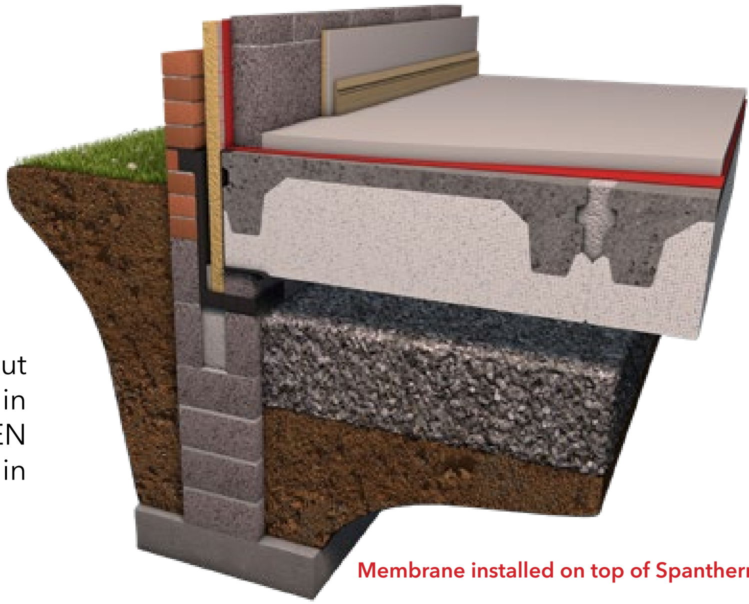
- Bespoke P/A U-Value SAP Calculations.
- Online Psi-Value Calculator (Standard Junction Details).
- Bespoke E5 Junction Thermal Models available on request for projects.
- Contact our Technical Service Team for a bespoke report.

SPANTHERM COMPLIES WITH REGULATIONS THROUGHOUT THE UK AND IRELAND



TECHNICAL DETAIL

Thermal calculations have been carried out for a range of typical perimeter / area ratios in accordance with BS EN ISO 6946 and BS EN ISO 13370. Spantherm units are available in the following sizes:



Membrane installed on top of Spantherm

(dims in mm)	Spantherm Advance			
Available widths	1200	900	600	400
Height	**300**			
Length	Determined by layout and load			

(dims in mm)	Spantherm Plus			
Available widths	1200	900	600	400
Height	**375**			
Length	Determined by layout and load			

GROUND GAS PROTECTION

When designing and constructing new buildings it is important to consider the potential risks associated with ground gases including methane, carbon dioxide and radon as well as volatile organic compounds including hydrocarbons. The selection of an appropriate membrane system will be determined by the building designer based on the type of contaminant from which the building requires protection. *We have a library of details available upon request.* **CLICK HERE**

UNDERFLOOR HEATING

Spantherm is compatible with under floor heating systems. Utilising a 25mm pir layer directly over Spantherm forms an enhanced thermally efficient floor with superior ground floor U-Values. Values as low as 0.09 W/m 2k can be achieved within the Plus range.

SUPPLY ONLY SERVICE

Creagh can supply Spantherm on a delivered only basis when you prefer installation by your choosen groundworker.

SUPPLY AND FIT SERVICES

Creagh offer a full supply and fit service subject to project scale and location. In each case we would lay the Spantherm floor onto your pre-prepared groundworks, leaving it fully grouted.

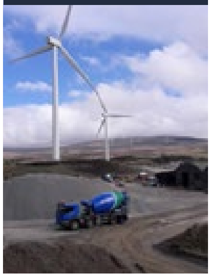
Hollowcore Floors

LIGHTWEIGHT, EFFICIENT, AND SUSTAINABLE.

Prestressed Hollowcore

Residential

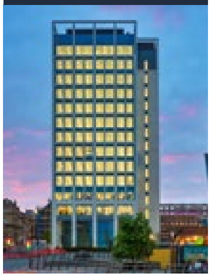
Infrastructure



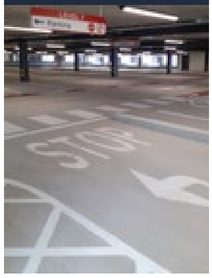
Industrial

Education

Commercial



M.S. Car Parks



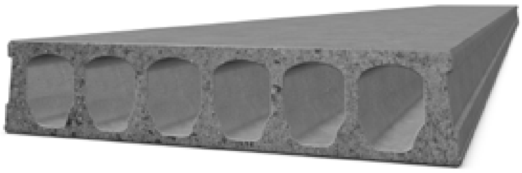
Creagh Concrete is one of the largest manufacturers of prestressed hollowcore concrete flooring in the UK and Ireland. Creagh have the capacity to produce in excess of 800,000m^2 of concrete flooring annually. Creagh offers a wide range of prestressed concrete flooring for customers within a variety of sectors.

We manufacture hollowcore flooring units in a large range of depths. We can even manufacture bespoke depths to suit some projects. Our hollowcore units can be provided with cast in lifting pins, factory formed weep holes, notches, open cores, reduced ends/ shelf angles and cantilevers. Also available, are a range of depths with insulation bonded to the underside. Slabs can be designed with a fire rating up to **4 Hours.**

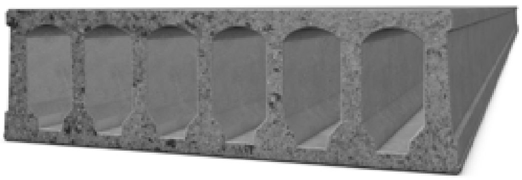
100mm & 110mm Deep Solid Prestressed Slab

150mm Deep Prestressed Slab

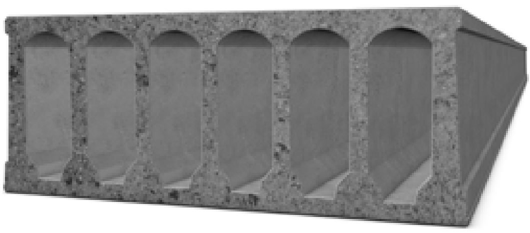
150mm Deep Dense Prestressed Slab



250mm Deep Prestressed Slab



350mm Deep Prestressed Slab



450mm Deep Prestressed Slab

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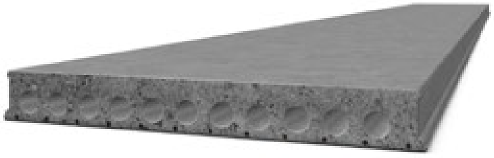
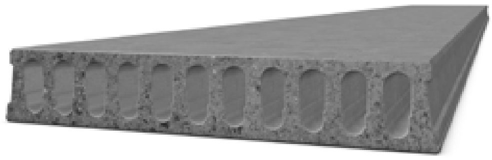
Full Specifiaction Document available online **here** or by scanning the QR Code.



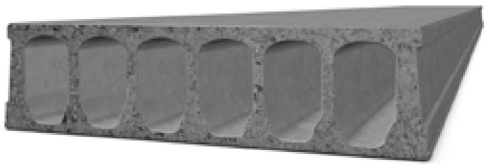
150mm Deep Dense Prestressed Slab

150mm Deep Prestressed Slab

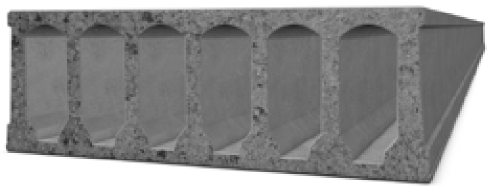


200mm Deep Prestressed Slab

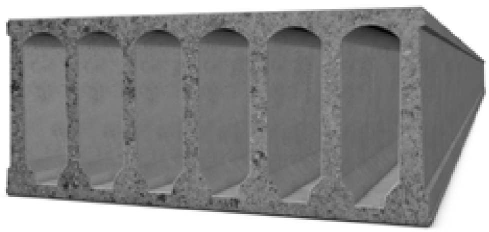
200mm Deep Prestressed Slab



300mm Deep Prestressed Slab



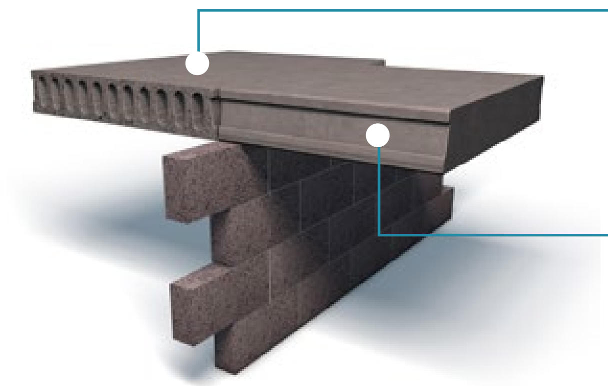
400mm Deep Prestressed Slab



500mm Deep Prestressed Slab

Specifications

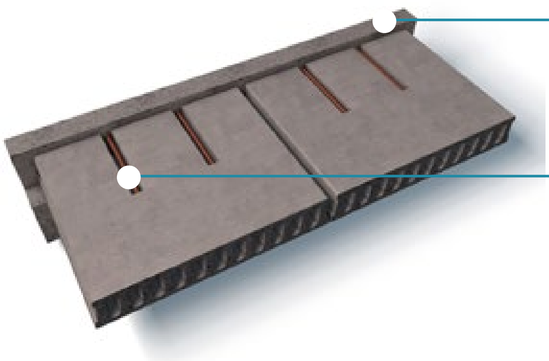
HOLLOWCORE SLAB BEARING ON BLOCKWORK



Adjacent slab spanning perpendicular

Slab bearing on blockwork wall

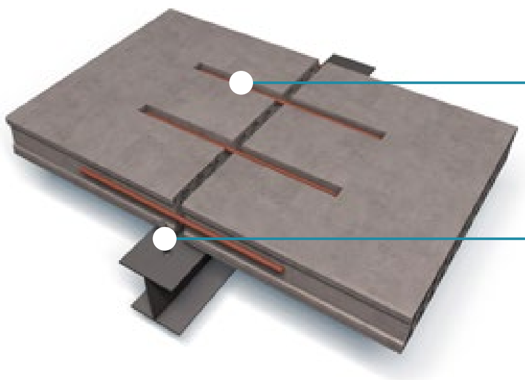
HOLLOWCORE SLAB BEARING ON CONCRETE BEAM



RC/Precast concrete beam

Open core to receive the reinforcement bar

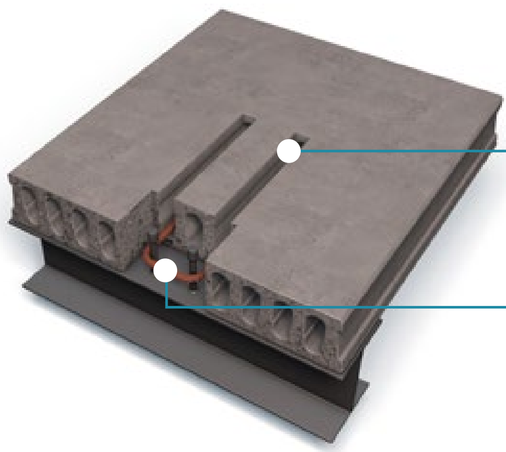
HOLLOWCORE SLAB SHARED BEARING WITH PROGRESSIVE COLLAPSE TIES



Reinforcement bars laid into open cores and slab joints

Shear studs welded to steel beam

HOLLOWCORE SLAB END BEARING WITH PROGRESSIVE COLLAPSE TIES



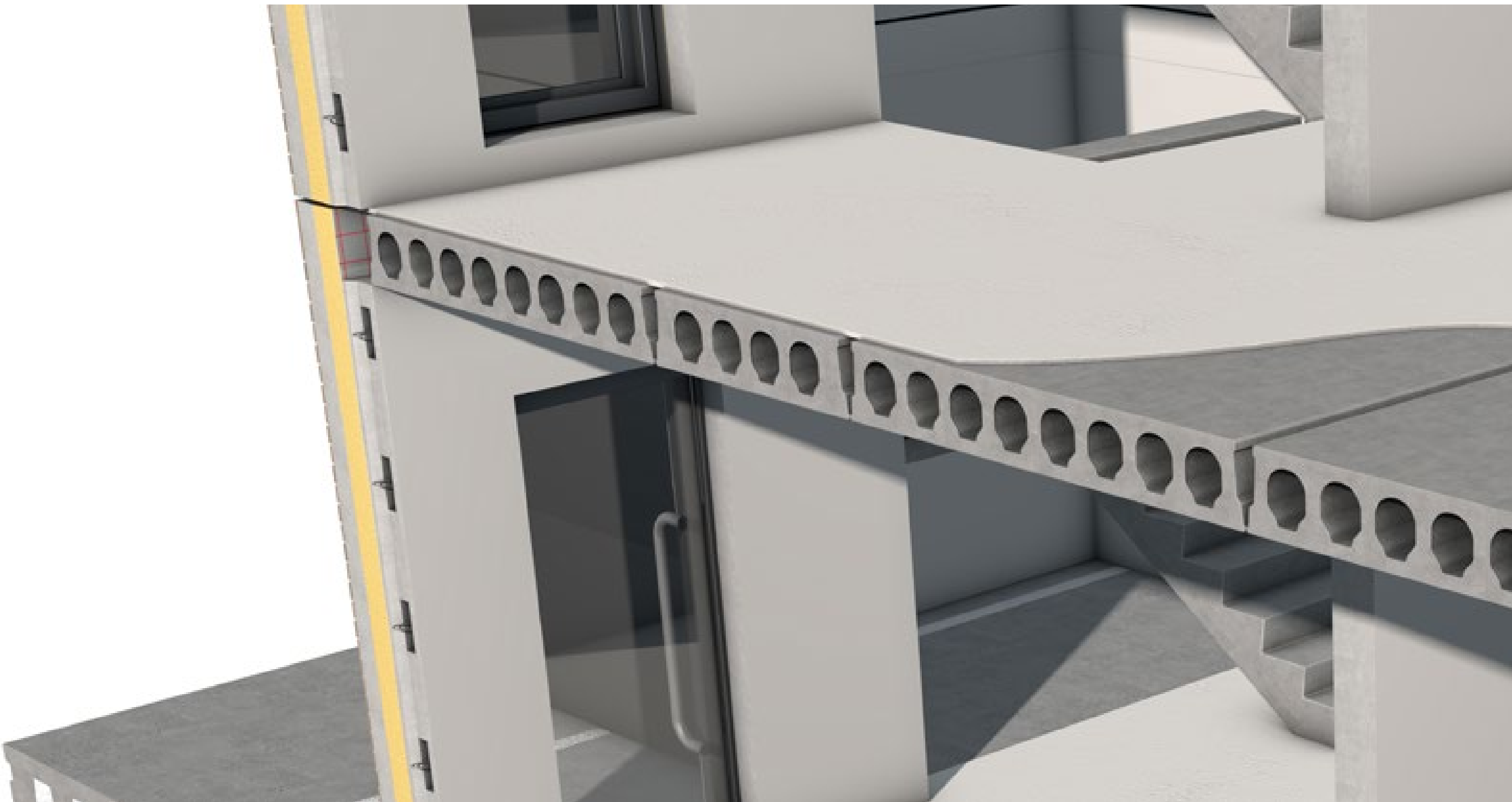
Legs of "U" bar to be placed within open cores

Reinforced "U" bar tied at shear studs

Loadspan Tables

PRESTRESSED HOLLOWCORE FLOOR

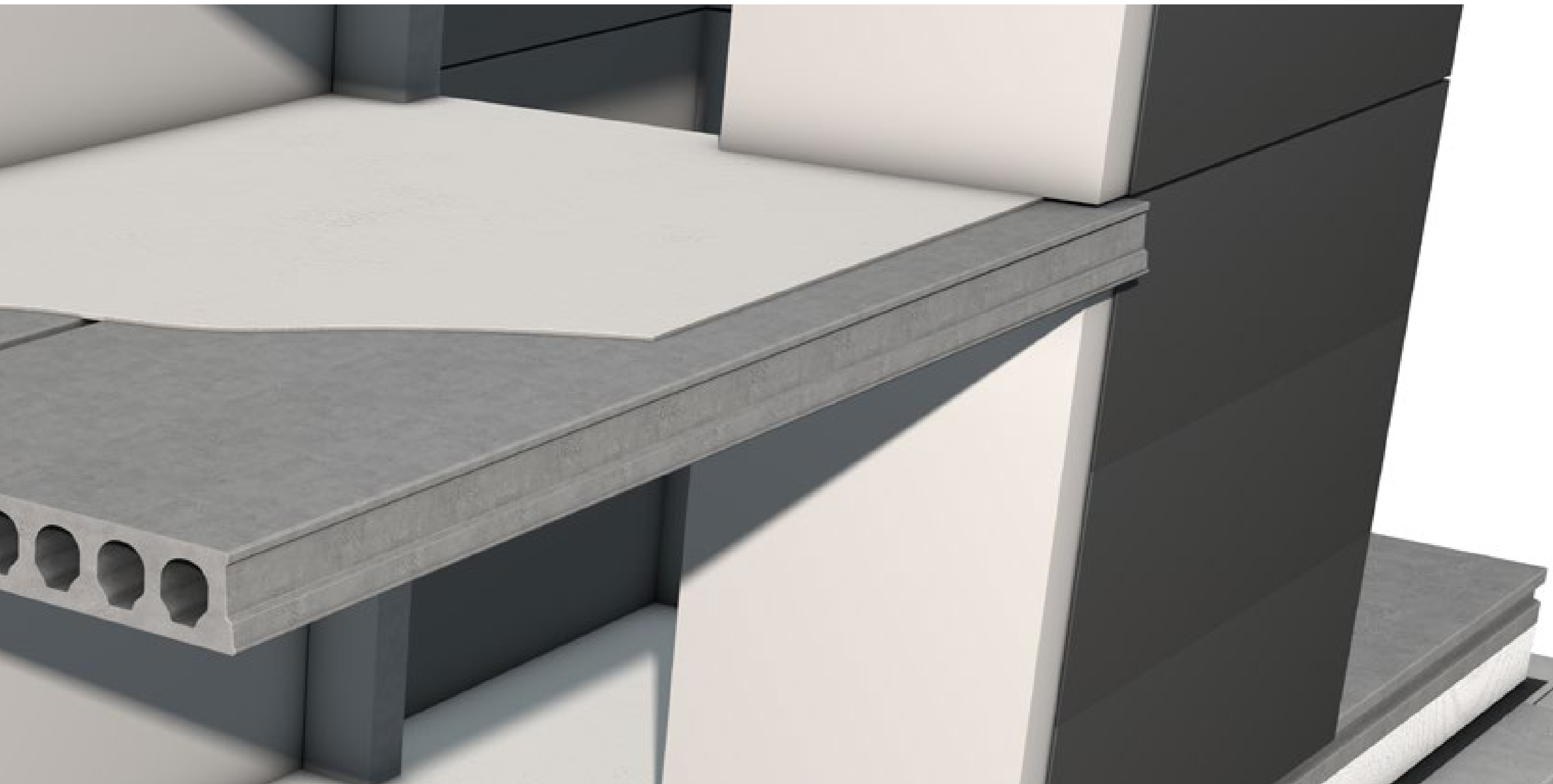
Overall structural depth	Self weight	No. of cores in unit	Spans indicated below allow for characteristic service load (live load) plus self weight plus 1.5kN/m^2 for finishes							
			Characteristic service loads kN/m^2							
mm	kN/m^2		0.75	1.50	2.00	2.50	3.00	4.00	5.00	10.00
			Clear Span in metres							
100	2.38	0	5.39	5.19	5.08	4.91	4.72	4.40	4.14	3.30
150	2.52	11	7.40	7.40	7.40	7.40	7.28	6.80	6.40	5.12
150 solid	2.94	11	7.40	7.40	7.40	7.35	7.08	6.64	6.27	5.06
200	3.10	11	9.40	9.40	9.40	9.40	9.26	8.69	8.21	6.65
250	3.43	6	10.80	10.80	10.80	10.80	10.80	10.80	10.56	8.60
300	3.88	6	13.50	13.50	13.50	13.50	13.18	12.44	11.81	9.70
350	4.23	6	15.00	15.00	15.00	15.00	14.89	14.08	13.39	11.06
400	4.57	6	16.00	16.00	16.00	16.00	15.97	15.13	14.42	11.98
450	4.92	6	18.00	18.00	18.00	17.70	17.19	16.33	15.58	13.02
500	5.27	6	18.00	18.00	18.00	18.00	18.00	17.13	16.38	13.76



Loadspan Tables

PRESTRESSED HOLLOWCORE COMPOSITE DESIGN (WITH 75MM STRUCTURAL TOPPING)

Overall structural depth	Unit depth	Self weight	No. of cores in unit	Spans indicated below allow for characteristic service load (live load) plus self weight plus 1.5kN/m² for finishes							
				Characteristic service loads kN/m²							
mm		kN/m²		0.75	1.50	2.00	2.50	3.00	4.00	5.00	10.00
				Clear Span in metres							
175	100	4.18	0	5.64	5.49	5.40	5.32	5.23	5.08	4.93	4.36
225	150	4.32	11	7.40	7.40	7.40	7.40	7.40	7.29	7.02	6.03
225	150 solid	4.74	11	7.40	7.40	7.40	7.40	7.39	7.13	6.89	5.97
275	200	4.90	11	9.40	9.40	9.40	9.40	9.31	8.95	8.62	7.40
325	250	5.23	6	10.80	10.80	10.80	10.80	10.80	10.80	10.69	9.13
375	300	5.68	6	13.50	13.50	13.33	13.04	12.76	12.25	11.79	10.10
425	350	6.03	6	15.00	15.00	15.00	14.52	14.22	13.66	13.16	11.29
475	400	6.37	6	16.00	16.00	16.00	15.50	15.18	14.60	14.08	12.11
525	450	6.72	6	18.00	17.39	17.39	16.66	16.33	15.72	15.17	13.09
575	500	7.07	6	18.00	18.00	17.82	17.46	17.12	16.50	15.94	13.80



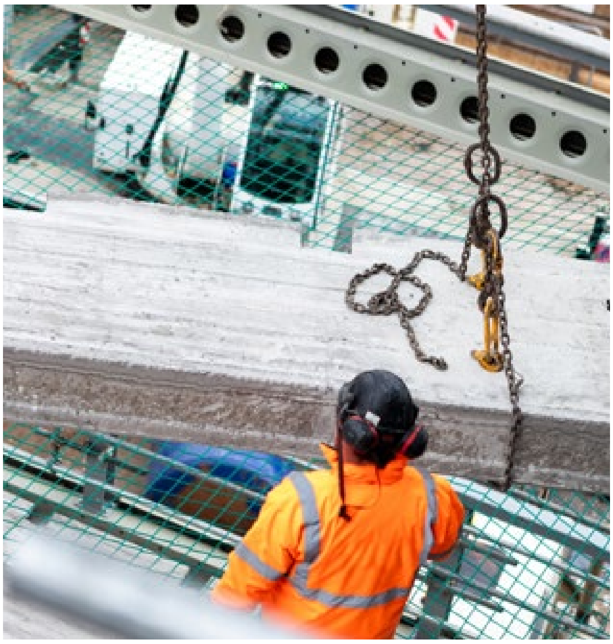
Our Service

COMPLETE FLOORING SOLUTIONS

Creagh provides a comprehensive service package encompassing design, manufacture, installation, and in-situ concrete structural topping solutions. Our highly trained team of engineers assumes full design responsibility for the entire project, eliminating the need for additional trades and ensuring project certification.

Supply Only

Creagh offers a supply-only option for clients who possess the necessary labour and time to handle the installation themselves. Our preconstruction and construction teams are available to offer guidance and on-site training to ensure accurate placement of all components. Additionally, comprehensive installation guides can be downloaded from our resources section for further assistance.



Supply and Install

Creagh provide a nationwide installation service for all of our products. Health and safety, productivity and customer service are at the forefront of our company values. With dedicated expert installation teams we can tackle the largest and most complex projects. Our flooring capacity is the largest in the UK & Ireland meaning we can service any project efficiently.

Embedded with precision and swiftness, Creagh's service harnesses cutting-edge technology and adept logistics to streamline both the delivery and installation of flooring materials. Through the utilisation of state-of-the-art Hi-ab lorries, they ensure flawless transportation and precise placement of flooring components directly to the designated location, thus minimizing handling time and optimizing overall workflow.

This forward-thinking approach not only boosts productivity but also mitigates the risk of damage during transit, ensuring a seamless flooring installation experience for our customers.

In the face of challenging site constraints, Creagh adeptly harnesses the combined power of mobile and/or tower cranes to seamlessly integrate precast floors and stairs into construction projects. Recognising the limitations imposed by confined spaces and demanding landscapes, Creagh strategically employs mobile cranes, leveraging their agility and versatility to navigate through restricted areas with ease.

Turnkey Solutions

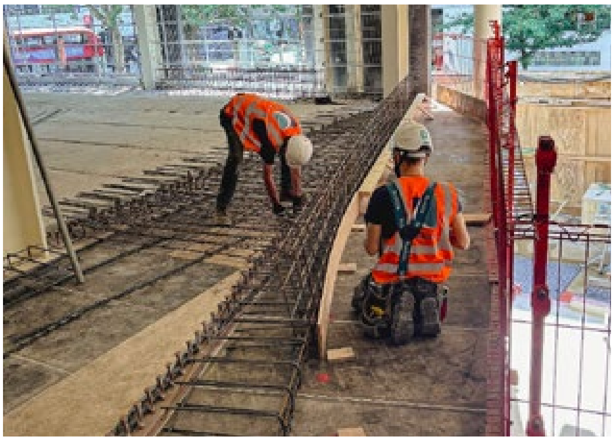
In addition to our supply only or supply and install services, we also offer a turnkey solution providing a complete finished floor with all stitching, shuttering, loose reinforcement and grouting completed post install. Covering all aspects required for the progressive collapse/disproportionate collapse specifications of a class 2A or class 2B building.

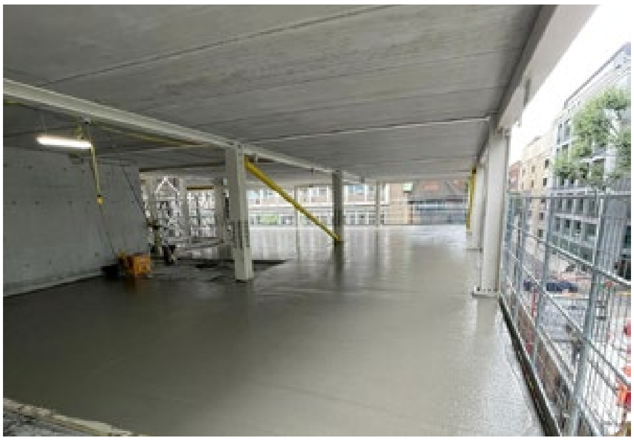
Our offering remains consistent whether Creagh install the PCC planks or if they're installed by other parties.

A large proportion of our hollowcore units are supplied into exposed soffit situations where this arises, **column shuttering** and **edge shuttering** is critical. Our expert design teams can provide **value-engineered** solutions that eliminate the need for onsite welding and costly temporary structures. We also offer galvanized edge trim that can be extended to serve as a shutter for structural toppings and screeds.

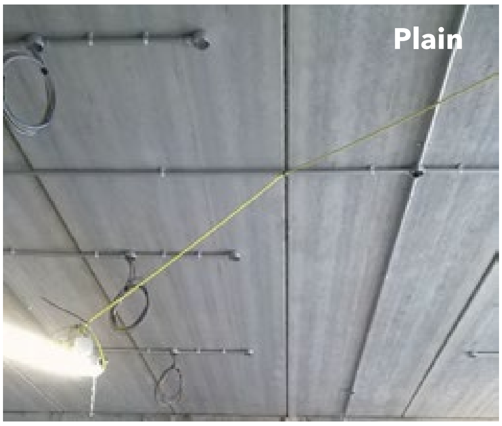
In addition to this we can offer to complete the **structural toppings** in conjunction with our wetworks packages.

This package of works can be placed under 1 order reducing prelims and eliminating gaps between packages.





Soffits



PRESTRESSED HOLLOWCORE FLOORING: HIGH-QUALITY HOLLOWCORE SOFFITS

Creagh Concrete's Prestressed Hollowcore Flooring offers a versatile and efficient solution for modern construction, featuring superior quality hollowcore soffits. These soffits are designed to meet the highest standards of surface finishes as specified by BS EN 13670, which governs the execution of concrete structures.

Surface Finishes as Defined by **BS EN 13670**

- Ordinary Finish: This is a more refined finish than the basic standard, suitable for most general applications. It offers a clean and functional surface that meets typical construction requirements.
- Plain Finish: Ideal for exposed visual concrete, the plain finish provides a smooth, even surface that enhances the aesthetic appeal of visible structural elements.
- Special Finish: This is the highest quality finish, often chosen for architectural or decorative purposes. It delivers an exceptional level of smoothness and visual appeal, suitable for the most demanding design specifications.

ENSURING QUALITY AND CONSISTENCY

At Creagh Concrete, we understand that achieving an acceptable finish is subjective. To mitigate any potential issues, we recommend agreeing on a sample for all visual concrete. This ensures that the final product meets or exceeds expectations.

Our commitment to quality is evident in our hollowcore soffits. Produced in a controlled factory environment, our offsite construction process allows for rigorous quality control, ensuring that each unit meets the highest standards of excellence.

When you choose Creagh Concrete's Prestressed Hollowcore Flooring, you can be confident in the exceptional quality and durability of our products. Our hollowcore soffits not only meet regulatory standards but also provide a superior finish that enhances the overall appearance and performance of your structure.

Stairs & Landings

COST EFFECTIVE, DURABLE WITH LONG LIFESPANS AND QUICK INSTALLATION

DID YOU KNOW?

We have capacity to produce over 22,000 tonnes of stairs and landings per year.

Stairs and Landings

Creagh stair flights and landings are produced to a high standard of finish and dimensional accuracy. Production falls into two main types, timber and steel moulds. Stairs are made as straight flights or with attached landings and can also be produced as winder risers or individual treads.

Cast-in inserts for nosings or recesses for nosings can be requested, as well as cast in sockets for temporary handrails (by others) also provided. Creagh also manufacture bespoke concrete stairs or Exposed aggregate/architectural finished recon concrete stairs. Concrete staircase components are produced with a variety of profiles and features to meet the specific needs of each individual project.

There are three types of standard finish available.

Ordinary

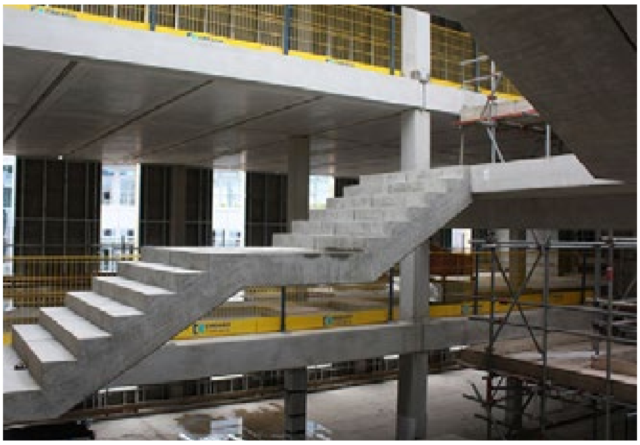
The finished surface should be free from voids, honeycombing and other blemishes. Small blemishes caused by entrapped air or water may be visible.

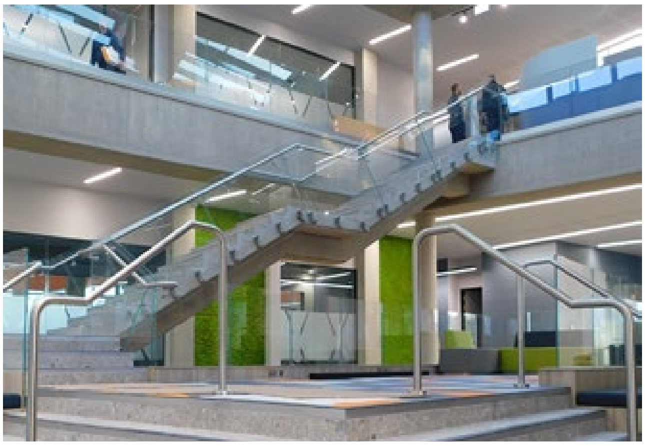
Plain

This finish can only be obtained by the use of high quality concrete and formwork. The concrete is thoroughly compacted and all surfaces are true with clean arises. Only very minor surface blemishes occur with no staining or discolouration.

Special

This finish is first obtained by producing type B finish and then improving this finish by carefully removing all fins and other projections, thoroughly washing down and then filling the most noticeable surface blemishes with a cement and fine aggregate paste to match the colour of the original concrete. After curing, the face is rubbed down, where necessary, to produce a smooth and even surface.





Stairs and Landings

BENEFITS

Speed of Installation: Precast stairs are manufactured off-site, reducing on-site construction time. They can be quickly installed, which accelerates the overall project timeline.

Consistent Quality: Being cast in controlled factory conditions allows for better quality control, resulting in uniformity and precision in dimensions and surface finishes.

Durability: Precast concrete is strong and durable, with resistance to weather, fire, and pests, which contributes to a longer lifespan and lower maintenance costs.

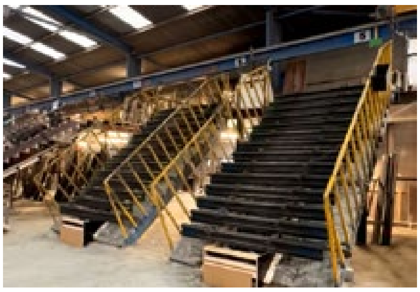
Design Flexibility: Precast stairs can be designed to meet specific architectural requirements, including various shapes, sizes, and finishes.

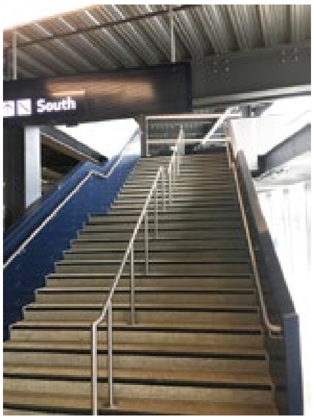
Labor Efficiency: Using precast elements can reduce labor costs as fewer skilled workers are required to install them compared to traditional poured-in-place methods.

Cost-effectiveness: The overall savings in labor, time, and reduced site disruption often make precast concrete stares a cost-effective solution.

Safety: Precast stairs can enhance job site safety by minimizing the need for on-site formwork and reducing the risk of accidents associated with pouring concrete.

Sustainability: Precast concrete can incorporate recycled materials, and its manufacturing process can be more energy-efficient than traditional methods, contributing to green building practices.







Case Study

Wimbledon

COURT NO.1

Creagh supplied 173 ton of precast concrete terracing units onto which the spectator seating has been located. We successfully tendered for the precast concrete special terracing units and steps and worked closely with the Byrne Bros team throughout the build programme to ensure all product specifications and delivery requirements were met. The 173 ton of terracing comprised mainly of straight and curved terrace pieces.

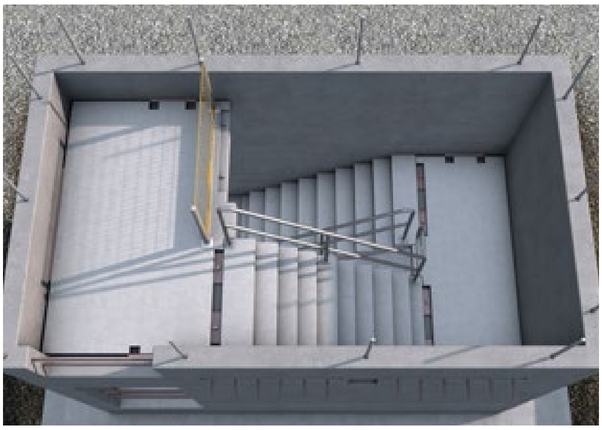
12.2 ton of precast concrete Step Units were also supplied. Creagh's precast stairs are manufactured from bespoke moulds and can be produced as straight flights with separate or attached landings. Curved, upstands and insert nosings are also available and stairs can include provision for progressive collapse. Stairs are manufactured with the ability to allow for temporary handrails.

Creagh is delighted to be involved in such a prestigious scheme and as the project continues to take shape the contribution that Creaghs products have made can be clearly seen around the arena.

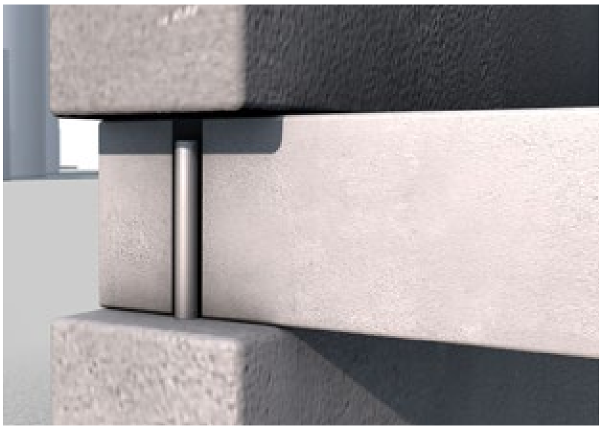


Connection Details

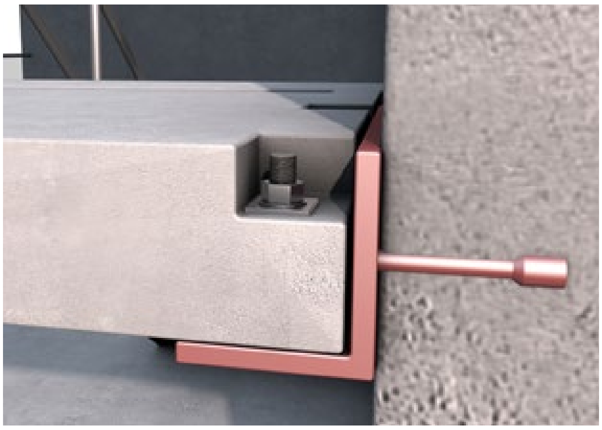
TYPICAL STAIR LAYOUT IN A CORE



PRECAST LANDING IN-SITU SUPPORT



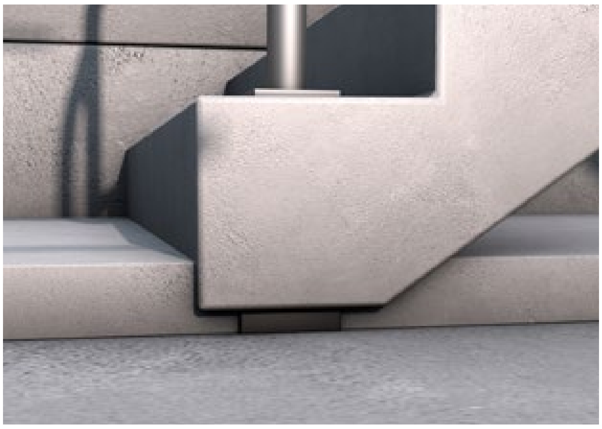
PRECAST LANDING ANGLE SUPPORT



PRECAST STAIR ONTO FINISHED FLOOR

PRECAST STAIR TO LANDING CONNECTION

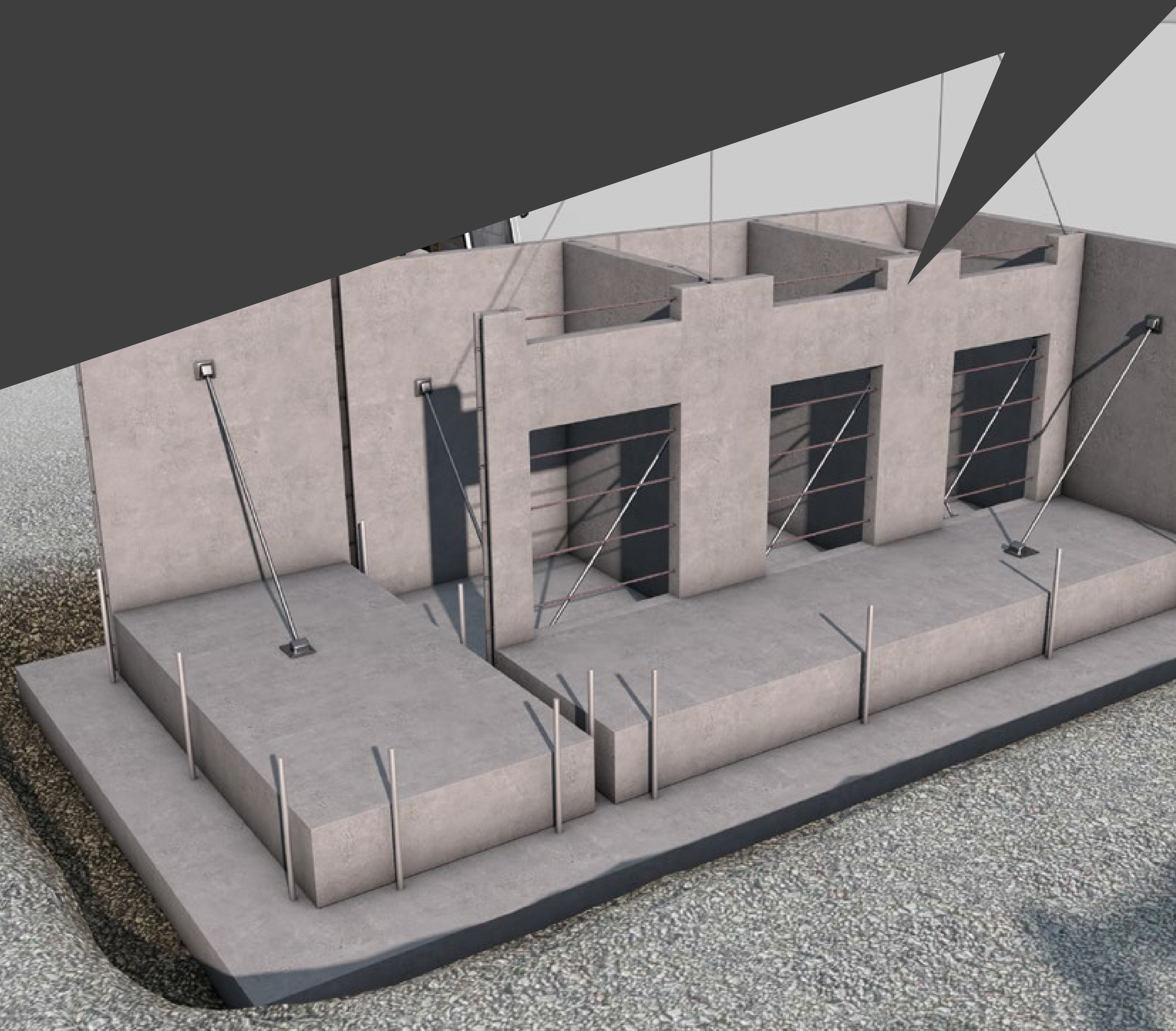
PRECAST STAIR SCREEDED TO FLOOR



Rapidcore

LIFT AND STAIRCORES

Produced in a factory-controlled environment these high quality cores are quick to install and have Inherent fire resistance



Rapidcore

Rapidcore lift and stair cores are manufactured offsite in bespoke moulds and are installed quickly and efficiently by our specialist installation teams. Creagh can design and manufacture the capping slabs with all temporary and permanent anchors cast in. Rapidcore can also be designed as shear walls to provide lateral stability or as an efficient replacement for blockwork or in situ concrete.

We offer two types of cores. There are two types of cores. The first is made up from individual components as shown opposite, used to build larger and unusual shaped cores.

The second type is the Box core, shown opposite. As the core is installed in a series of boxes, the need for temporary works or propping is minimised or eliminated altogether.

WITH RAPIDCORE, YOU CAN BENEFIT FROM THE FOLLOWING:

- Reduced construction time
- Can be integrated with steel frame structure, in-situ concrete structure or as part of an overall precast frame build
- Compatible with lightweight forms of construction as an efficient fire proof solution
- Improved Health & Safety
- Up to 2 hours fire resistance
- Ability to install in congested sites
- Reduced construction noise
- Efficient replacement for block work in-situ
- Various finishes including sealed & mist coated
- Safe & fast process using 3D modelling
- Cost effective

THE CREAGH STRUCTURES TEAM OFFER A COMPLETE DESIGN AND BUILD SERVICE:

FEASABILITY ASSESSMENT

Creagh Structures Team offer a feasibility assessment for each project at design and build stage to quickly identify viability and potential cost savings for projects.

DESIGN & ESTIMATING

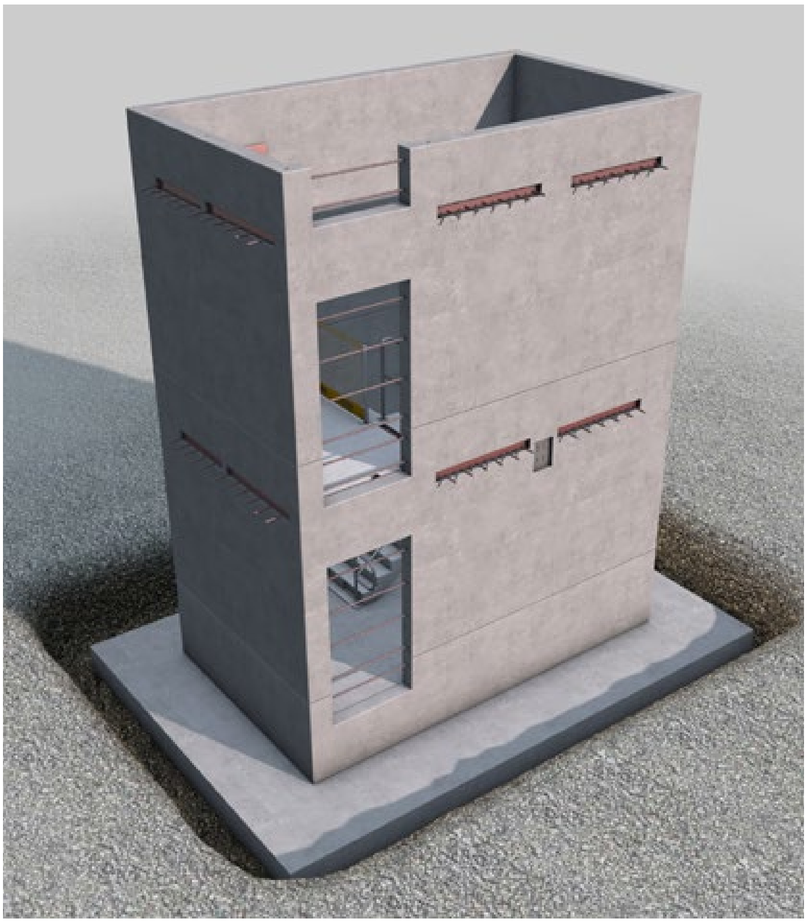
Once feasibility is established the Creagh team develop engineered structural solutions and provide a quantified design and estimate package.

OFF-SITE MANUFACTURE

Creagh's capacity ensures demanding build schedules are achieved and consistent quality controls.

ON-SITE CONSTRUCTION

Creagh's on-site teams are experienced specialists. Their aim is fast track construction to deliver each project on time and within budget in a Health & Safety compliant manner to achieve the clients build schedule.



SUSTAINABILITY

LOW CARBON SOLUTIONS

NET ZERO ROADMAP

We have developed our Net Zero Roadmap 2050 which strategically aims at removing carbon throughout the company (Scope 1&2) and supply chain (Scope 3). **CLICK HERE TO VIEW** or scan QR Code.

SCAN ME

EPD (ENVIRONMENTAL PRODUCT DECLARATIONS)

An Environmental Product Declaration is a Type III environmental declaration that quantifies environmental information about the life cycle of a product. Creagh have EPDs completed and can download from here: **CLICK HERE** or scan the QR Code

CEMENT REPLACEMENT CEM II

Current progressive measures in place include a reduction in cement content from Cem I to Cem II which reduces the percentage content of cement in products by using an alternative lower carbon ingredient.

Since adoption of Cem II, we have eliminated over 17,000 tonnes of carbon from our products and continue to innovate further. Part of our near term strategy is to move to Cem III in some of our product range.

17,000

tonnes of carbon eliminated

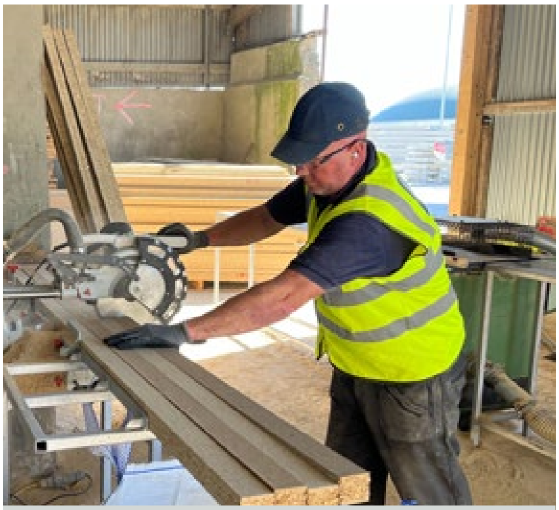
RENEWABLE ENERGY

The company has invested in zero carbon electricity generation via wind turbines at various manufacturing locations. This strategic investment forms part of Creagh's commitment to decarbonising the built environment.

RECYCLING & REPURPOSING

Project repurpose identified 3 levels of recovering wood production products used to form and transport concrete products. This project has reduced the amount of virgin timber used within the business by 52%. In addition, waste timber is diverted to biogas plants and can be used for animal bedding.

Aggregates used in the business as processing aids are repurposed at the end of their life cycle. These aggregates are diverted back into the manufacturing process.



INVESTMENT IN MANUFACTURING

We recently updated our hollowcore manufacturing facilities in Newbridge and Ardboe with two new Echoprecast Extruder X-Liners. These new machines will see reductions in raw material transportation, as well as an 11% improvement in delivery load utilisation, with decreasing inputs to the product while maintaining the high quality standards and characteristics required by our valued customers. These improvements will result in 433 tonnes of carbon being eliminated from the supply chain each year.

CASE STUDY

KING'S CROSS P2
LONDON

PROJECT OVERVIEW

CLIENT
SEVERFIELD

LOCATION
LONDON

20,000m² of precast hollowcore flooring over 11 levels for Kings Cross P2 building in London

VIBRANT PROJECT AT KINGS CROSS CENTRAL

The P2 Building is a 12-storey structure, including two basement levels, that comprises of 193,621 sq ft of office accommodation over nine floors. It also includes a 600-seat theatre with associated bar, and front and back of house facilities, while the ground floor on the south side is dedicated to 18,267 sq ft of retail space.

Internally, a steel frame supports pre-cast floor slabs that create visual continuity with the external pre-cast concrete ledges.

The building has been designed to the high standard of BREEAM Excellent.

Creagh designed, manufactured and installed a mixture of **hollowcore depths**, as well as **stairs** and **landings**.

CASE STUDY

GUILDFORD RAILWAY STATION MSCP
GUILDFORD, SURREY

PROJECT OVERVIEW

CLIENT
CIRCET IRELAND & UK

LOCATION
GUILDFORD

The building provides 628 parking spaces including disabled parking and electric vehicle charging bays.

£8M REDEVELOPMENT OF GUILDFORD STATION

The transformation of Guildford's station car park into a new Station Quarter which will be home to a new station building, 438 new homes, retail, office space and a radically enhanced station environment with a modern new station.

Over 14,000m^2 of 150mm deep hollowcore

The hollowcore package included **grouting / stitching works** and **structural toppings**. As well as hollowcore Creagh designed, manufactured and installed all **Rapidcore® PPC Cores.**

We manufacture Hollowcore from 2 different locations: Ardboe (N.I.) and Newbridge (Scotland).

Creagh offer an unrivalled service package, encompassing supply, installation, taking full design responsibility to streamline your project from concept to completion.

CASE STUDY

180MM PRESTRESSED PLANKS
KIRKCALDY, FIFE

PROJECT OVERVIEW

CLIENT
ISG PLC

LOCATION
KIRKCALDY, FIFE, SCOTLAND

Creagh designed, manufactured, delivered, and installed 57,040 sqm wall for a total of 46 Sheds.

THE SOLUTION FOR MULTI-MILLION POUND WAREHOUSING COMPLEX

Creagh products have been used in the construction of a multi-million pound warehousing complex at Kirkcaldy in Fife. 46 warehouses are now completed and are storing thousands of casks, used for maturing whisky.

ISG PLC Ltd were appointed to manage the construction of the development,which was carried out in several phases. ISG enlisted Creagh to provide a bespoke, robust concrete solution.

The works included **180mm prestressed planks** used as wall panels as well as precast for the ground beams and internal walls.

Wall Panels are the perfect solution, with extremely fast installation, robustness and inherent fire resistance.

Visit our YouTube Channel

CASE STUDY

KELLYLANDS CAR PARK
BREAGH DRIVE, CRAIGAVON

PROJECT OVERVIEW

CLIENT
HERON BROS

LOCATION
CRAIGAVON

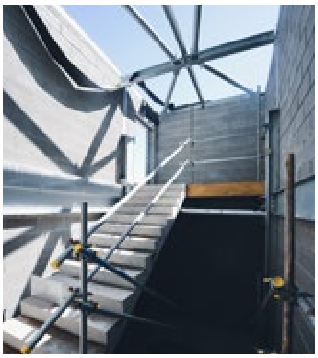
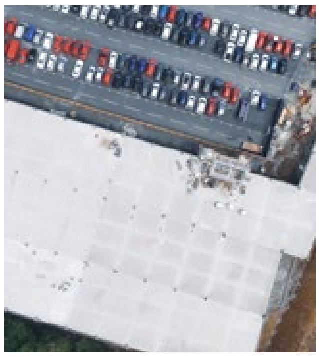
Creagh's works on the project included 5,000m² of 200mm deep hollowcore flooring and 30T of precast stairs.

This prestigious project involves the construction of a 5,000m² car park on Breagh Drive, Craigavon.

HOLLOWCORE FLOORING & STAIRS USED IN EXTENSIVE NEW CAR PARK

Creagh Parking combines over 20 years of experience in the construction of car parks to offer the market a seamless and efficient solution. Our prestressed concrete products were used on an exciting new build car park in Craigavon, as part of a £40 million pound investment by a global pharmaceutical company. Our work on the project includes **200mm of prestressed Hollowcore flooring**, over the floor covering a 5,000m² space. The slabs were designed & manufactured by our Ardboe facility and were installed by our expert fitting team, completing all fitting and grouting in just 13 days. We also designed, manufactured and installed **30 tonnes of bespoke precast stairs.**

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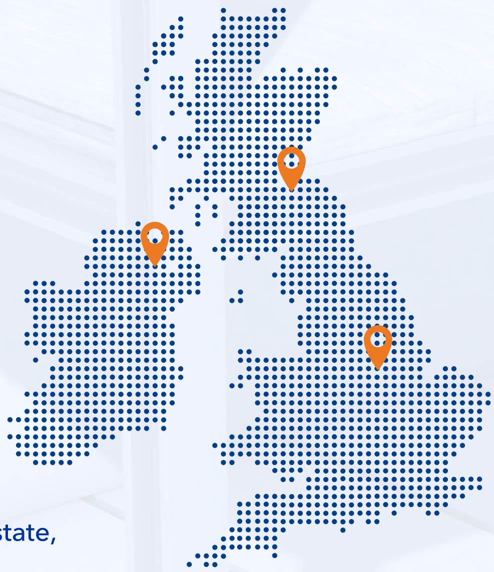

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