POUNDFIELD PRODUCTS

‘INNOVATION in CONCRETE’

PRECAST CONCRETE PRODUCTS

RETAINING WALLS • BEAM & BLOCK FLOORS • BESPOKE PRECAST

poundfield.com
POUNDFIELD PRODUCTS

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POUNDFIELD PRODUCTS

Poundfield Products Ltd are a leading Precast and Prestressed Concrete manufacturer based in Suffolk. The company was founded in 1999 by Mark Jardine, whose experience of working, firstly on the family farm and then later in the compost and recycling industry led him to the design of a unique A’ shaped Retaining Wall system – branded as the Alfabloc®.

This Precast Concrete retaining walling system is still manufactured today and customers find it is very quick and easy to install. It has no protruding toe and in many cases can be used freestanding.

The Alfabloc® has been successful since the beginning and today is manufactured not just in the United Kingdom but also under licence in Ireland, Europe and the U.S.A.

The company has continued to increase it’s Retaining Wall range and has also successfully expanded into Bespoke concrete design projects and also into the block and beam concrete flooring market.

1999 Company founded and Alfabloc® product launched.

2002 Prestressed Panels were introduced. The combination of the Alfabloc® and panels provided a wider offer for grain storage and division for the Agricultural market.

2003 L-bloc® product launch. The only Prestressed interlocking 1 metre wide L shape Retaining Wall on the market. This product is lightweight and interlocking, making it more robust and easier to install than standard precast L shaped blocks.

2005 2 metre wide L-bloc® added to range. These have all the advantages of the original product but having the extra width means installation time is halved and it very competitive in terms of price.
As the applications of the companies concrete products increased as to did the markets for which the products appealed, seeing growth in Recycling & Waste management, Construction, Ports and Shipping.

2008 The Betaloc(R) XL is a lego brick style design introduced to compliment our range. It is made of solid concrete; however is easy to move and relocate with the right equipment. The blocks lock together by the protruding concrete pyramids on the top side which match indents on the bottom. They have many uses from security walls to grain store walling.

2009 A new offer of Bespoke Concrete Products made to customer specification was launched with great success. Initially focused of Precast Concrete slabs used in the construction of car parks, we now have a wide breath of experience in providing precast solutions across a number of industries.

2009 With the increase use of precast in construction and the evolution of modern methods of construction, the concrete boundaries were stretched further with the Shuttablloc™. This product is quick to install but provides the same properties as a wall that has been cast in situ.

2010 Beam & Block Flooring department was established; breaking into the residential and commercial property markets by offering a made-to-measure service and on-site design. A great many of our products are now supplied to Builders Merchants across the UK.

2013 The Taperbloc™ was introduced as a lighter alternative to the Alfabloc® (and this has now been replaced by the Taperbloc XL which has a slightly different design for easy maneuverability with a forklift)

2014 British Standards Industry assessment to obtain CE mark accreditation on our Retaining Wall and flooring products.

2016 Today we still operate from our single site near Ipswich in Suffolk. Our business, product range and markets may have grown significantly but our core business principles remain the same: manufacturing quality concrete solutions, providing a complimentary support service from design to aftercare. Precast to be proud of.
The unique Alfabloc® is Poundfield Products original concrete retaining wall system. Designed to be freestanding in the majority of applications, it is a very structurally efficient and versatile concept. Available in heights from 1.22m all the way through to 6m the Alfabloc® offers a flexible solution for your bulk storage needs. Requiring only a structurally solid base to sit on, the concrete walling units can be used in a wide variety of applications.
The Alfabloc® is the only interconnecting freestanding wall on the market; its patented joining mechanism aids in the spread of the load horizontally against the units. It can also be ground fixed for high loading applications. The Alfabloc® is tried and tested, and can withstand significant impacts by mechanical plant. They are used in sectors incorporating waste & recycling, agriculture, ports, shipping and many more.

**Advantages of the Alfabloc®**
- Ideal for dividing walls, grain storage, bulk material storage, silage clamps
- Available in 6 different heights
- Quick and easy to install
- Freestanding (in most applications)
- Easy to reconfigure
- Can be loaded on one or both sides.

**Accessories**
There are a number of accessories which can be used in conjunction with the Alfabloc® units to achieve a number of variations to the units use and capability.

**Corner sections**
Allows the retaining wall system to be continuous and ‘gap’ free. The corner section is the perfect solution if you are trying to achieve a standalone storage area where the corner units are placed at right angles. The steel corner section can be applied to provide a gap free wall.

**End covers**
End covers seal the wall units and are available in a variety of designs. To finish off the end of the retaining wall system a steel end cover can be attached to prevent grain, waste or any other stored product being lost in the Alfabloc® void.

**Ground fixings**
The optional ground fixing kit is available to provide an even more secure surface attachment. If you are looking to create a more permanent structure, either immediately or at a later point in time, the unique Alfabloc® design allows for optional ground fixing.

**Connecting straps**
The Alfabloc® is designed to allow for a recessed connecting strap to be attached vertically in order to provide a secure connection between the units. The connecting strap which assists in the spread of load horizontally provides a sealed joint and additional strength.

**Lifting attachment**
The unique lifting attachment ensures ease of construction, making an Alfabloc® wall a ‘one man’ operation. Designed to perfectly fit the wall unit, the lifting attachment is the easiest and safest method of installing the Alfabloc®.
Overview
Height 1220mm
Width 2000mm
Depth 610mm (at base)
Weight 1.6 tonnes

Anchoring
Cannot be ground fixed

Loading
The maximum angle of repose is 25° for suitable materials.
ALFABLOC® / 2.4m

SECTION & DIMENSIONS

Overview
Height  2440mm
Width   1220mm
Depth   762mm (at base)
Weight  1.9 tonnes

Anchoring
2 x No.32 dia. holes for M24 stud anchors. 500mm long. 175mm embedment into slab and Buffalo Vinylester Resin or similar approved.

Loading
The maximum angle of repose is 25° for suitable materials.

For more information please contact us.
Overview
Height 3050mm
Width 1220mm
Depth 1220mm (at base)
Weight 2.75 tonnes

Anchoring
4 x No.32 dia. holes for M24 stud anchors. 500mm long.
175mm embedment into slab and Buffalo Vinylester Resin or similar approved.

Loading
The maximum angle of repose is 25° for suitable materials.
ALFABLOC® / 3.6m
SELECTION & DIMENSIONS

Overview
Height 3650mm
Width 1220mm
Depth 1220mm (at base)
Weight 3.1 tonnes

Anchoring
4 x No.32 dia. holes for M24 stud anchors. 500mm long.
175mm embedment into slab and Buffalo Vinylester Resin or similar approved.

Loading
The maximum angle of repose is 25° for suitable materials.

For more information please contact us.
Overview
Height  4050mm  
Width  1220mm  
Depth  1220mm (at base)  
Weight  3.2 tonnes  

Anchoring
4 x No.32 dia. holes for M24 stud anchors. 500mm long.  
175mm embedment into slab and Buffalo Vinylester Resin or similar approved.

Loading
All enquiries will be referred to our engineers for individual specifications.
ALFABLOC® / 4.6m

SECTION & DIMENSIONS

Overview
Height 4590mm
Width 1200mm
Depth 1220mm (at base)
Weight 4.2 tonnes

Anchoring
4 x No.32 dia. holes for M24 stud anchors. 500mm long. 175mm embedment into slab and Buffalo Vinylester Resin or similar approved.

Loading
All enquiries will be referred to our engineers for individual specifications.

For more information please contact us.
Overview
Height 6050mm
Width 1200mm
Depth 1220mm (at base)
Weight 5.2 tonnes

Anchoring
4 x No.32 dia. holes for M24 stud anchors. 500mm long. 175mm embedment into slab and Buffalo Vinylester Resin or similar approved.

Loading
All enquiries will be referred to our engineers for individual specifications.
The poundfield product L-Bloc®, which was launched in 2003, is the only pre-stressed interlocking L shape retaining wall on the market and it has many advantages over standard precast L shape walls. Prestressed 'L' blocs offer an ideal design solution for the retention/storage of soils, aggregates, silage, grain and many other bulk materials. Standard wall units are produced up to 3.65m in height. Greater heights can be supplied depending on loading conditions and use.
All units are designed to accommodate loading from either side of the wall. Designed in accordance with BS 8110 (Parts 1&2) ‘L’ blocs above 2.4m have a prestressed concrete stem. This offers the advantage of a much lighter unit than a conventionally reinforced ‘L’ shaped wall with the added benefits of reduced transport and installation costs. Manufactured from high strength C60 concrete with minimum 30mm cover to steel, the units provide excellent durability against most exposure conditions (up to very severe conditions in accordance with BS 8110). The units require a suitable concrete foundation that has been designed by a qualified Engineer to ensure ground bearing and stability requirements are met.

Units are then lined, levelled and bolted down through the preformed holes in the base using resin anchors. A unique tongue and groove joint down each side prevents misalignment of the walls either during installation or due to uneven loading. It also provides an ideal joint detail which can be sealed if required. Experience has shown the units can withstand significant misuse by mechanical plant used to move retained material. However, as with any relatively thin walled concrete structure, they will suffer damage with persistent and negligent striking by mechanical plant.

**Advantages of the L-Bloc®**
- Ideal for grain walling, waste separation, bulk storage, recycling materials.
- Easy installation, with unique tongue and groove system.
- Pre-stressed and interlocking, to create robust wall.
- Double loading and no reverse heel.
- Up to 2.0m wide, making it quicker to install.
- Lighter weight and nested delivery.

**Accessories**
There are a number of accessories which can be used in conjunction with the L-Bloc® units to achieve a number of variations to the units use and capability.

**Corner sections**
Allows the retaining wall system to be continuous and ‘gap’ free. The corner section is the perfect solution if you are trying to achieve a standalone storage area where the corner units are placed at right angles. The concrete corner section is designed to fill the gap for both internal and external use (i.e. foot in, foot out).

**Corner brackets**
To secure the corner sections in place a horizontal connecting strap can be attached to the corner unit to provide additional support against the load. The corner bracket will prevent movement and slippage of the corner section.

**Ground fixings**
The ground fixing kit provides a secure surface connection. The kit comes with all required steel and bolts, together with a tube of resin. Resin applicator sold separately.

**Lifting attachment**
The lifting attachment allows for easy and safe lifting, with cast in anchor points to create an equilibrium thus enabling a level lift. Designed to specific requirements of the L-Bloc®, the lifting attachment is the most efficient method of installing the units.

**Sealant & applicator**
The tongue and groove design of the L-Bloc® allows for a seamless joint to the units, however to achieve a watertight seal we can provide sealant which can be applied between the units. A sealant applicator is also available, sold separately.
L-BLOC® / 1.2m / REINFORCED

SECTION & DIMENSIONS

Overview
Height 1200mm
Width 1000mm
Thickness 100mm (at stem)
Foot 1000mm
Weight 0.6 tonnes

Anchoring
All units to be bolted down onto suitable concrete hardstanding with 2 x No.M20 stud anchors, 175mm embedment into slab.

Loading
L-Bloc® can be loaded from either side subject to anchoring.

Approx. material density KN/m³

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NOTE: Silage loading in accordance with BS 5502: Part 22 No rolling vehicle to exceed 8 tonnes, adequate drainage to be provided, moisture content not to exceed 80%.
Overview
Height 2000mm
Width 1000mm
Thickness 100mm (at stem)
Foot 1000mm
Weight 0.8tonnes

Anchoring
All units to be bolted down onto suitable concrete hardstanding with 2 x No.M20 stud anchors, 175mm embedment into slab.

Loading
L-Bloc® can be loaded from either side subject to anchoring.

NOTE: Silage loading in accordance with BS 5502: Part 22 No rolling vehicle to exceed 8 tonnes, adequate drainage to be provided, moisture content not to exceed 80%.
L-BLOC® / 2.4m / REINFORCED

SECTION & DIMENSIONS

Overview
Height 2400mm
Width 1000mm
Thickness 100mm (at stem)
Foot 1000mm
Weight 1.1 tonnes

2000mm wide variant available

Anchoring
All units to be bolted down onto suitable concrete hardstanding with 2 x No.M20 stud anchors, 175mm embedment into slab.

Loading
L-Bloc® can be loaded from either side subject to anchoring.

Approx. material density KN/m³

Material Type Approx. material density

Gravel and sand 8
Grain 8
Woodchip 8
Household waste 11
Liquid sewage waste 6
Rolled silage 5
Paper waste 5
Composted green waste 10
FPA 11

Suitable

not suitable

Angle of repose 0° 35°

NOTE: Silage loading in accordance with BS 5502: Part 22 No rolling vehicle to exceed 8 tonnes, adequate drainage to be provided, moisture content not to exceed 80%.
**Overview**
- Height: 2950mm
- Width: 1000mm
- Thickness: 100mm (at stem)
- Foot: 1400mm
- Weight: 1.25 tonnes

2000mm wide variant available

**Anchoring**
All units to be bolted down onto suitable concrete hardstanding with 4 x No.M20 stud anchors, 175mm embedment into slab.

**Loading**
L-Bloc® can be loaded from either side subject to anchoring.

**Typical Section Through Unit**

- **Angle of Repose**
  - Max: 35°
  - Suitability:
    - Suitable
    - Not suitable

- **Material Type**
  - Gravel
  - Sand
  - Gravel
  - Woodchip
  - Household Waste
  - Liquid Sewage Waste
  - Rolled Silage
  - Paper Waste
  - Composted Green Waste
  - PFA

Approx. material density KN/m³
- 16
- 8
- 8
- 11
- 6
- 10

**Loading Note:** Silage loading in accordance with BS 5502: Part 22 No rolling vehicle to exceed 8 tonnes, adequate drainage to be provided, moisture content not to exceed 80%.

For more information please contact us.
L-BLOC® / 3.6 / PRESTRESSED

SECTION & DIMENSIONS

Overview
Height 3650mm
Width 1000mm
Thickness 150mm (at stem)
Foot 1850mm
Weight 2.2 tonnes

2000mm wide variant available

Anchoring
All units to be bolted down onto suitable concrete hardstanding with 4 x No. M20 stud anchors, 175mm embedment into slab.

Loading
L-Bloc® can be loaded from either side subject to anchoring.

NOTE: Silage loading in accordance with BS 5502: Part 22 No rolling vehicle to exceed 8 tonnes, adequate drainage to be provided, moisture content not to exceed 80%.
L-BLOC® / 4.0m / 4.5m / 5.0m / 5.5m / 6.0m

**SECTION & DIMENSIONS**

**4.0m / Overview**
- Height: 4000mm
- Width: 1000mm
- Thickness: 150mm (at stem)
- Foot: 1850mm
- Weight: 2.35 tonnes

**4.5m / Overview**
- Height: 4500mm
- Width: 1000mm
- Thickness: 150mm (at stem)
- Foot: 1850mm
- Weight: 2.65 tonnes

**5.0m / Overview**
- Height: 5000mm
- Width: 1000mm
- Thickness: 200mm (at stem)
- Foot: 1900mm
- Weight: 3.2 tonnes

**5.5m / Overview**
- Height: 5500mm
- Width: 1000mm
- Thickness: 200mm (at stem)
- Foot: 1900mm
- Weight: 3.5 tonnes

**6.0m / Overview**
- Height: 6000mm
- Width: 1000mm
- Thickness: 300mm (at stem)
- Foot: 2600mm
- Weight: 6.0 tonnes

**Anchoring** All units to be bolted down onto suitable concrete hardstanding with 4 x No.M20 stud anchors, 175mm embedment into slab (with the exception of the 6m unit which needs 6 x No.M20 stud anchors)

**Loading** L-Bloc® can be loaded from either side subject to anchoring.

**Note:** All units are prestressed

For more information please contact us. enquiries@poundfield.com / 21
Prestressed concrete panels are commonly installed between steel columns to create a continuous, uniform concrete retaining wall. We offer panels in made-to-measure lengths up to 6.5m long and in a selection of thicknesses depending on the loadings required.
PRESTRESSED PANELS

Overview
Manufactured to any size from 1m wide up to 6.5m long, 100mm - 180mm thick.

Advantages
- Made-to-measure
- Interlocking tongue and groove
- Cast in fixing points
- Can be used with existing steel frames
- No foundation required
- Easy to install

Designed in accordance with BS 8110 the panels have an interlocking tongue and groove design on the horizontal edges which allows for fast installation and provides a secure joint. Once sealed, this provides a clean, tidy and weatherproof finish. When fitted to steel columns the panels offer a durable and functional walling system.

When used in conjunction with our dividing wall products such as the Alfabloc®, L-Bloc® and Taperbloc™, prestressed panels can create an ideal grain or bulk store. Our panels are supplied with all necessary plates, bolts and sealant; sealant applicator and lifting loops also available if required.

Accessories
There are a number of accessories available to be used in conjunction with the prestressed panels.

Clips, bolts and sealant
As standard each panel comes with the necessary clips (fish plates), bolts and sealant. The clips and bolts are required to attach the panel to the steel framework to provide a secure fixing. The sealant, when used in conjunction with the interlocking joint design can provide a product proof seal.

Sealant applicator
The sealant applicator is the ideal solution for ensuring the sealant is evenly and accurately applied.

Lifting loops
Lifting loops are available to provide a safe and secure lift of the units, which makes installation much easier and quicker. Approved lifting chains or spreader bar can then be attached to the lifting loops.

Angle iron
Angle iron, sold by the metre, can be provided to give a secure corner connection of your panel units. When connecting panels at a corner, it is important to ensure secure fixing.
Poundfield Products unique Shuttabloc™ retaining wall system has been designed to provide a faster, more economical alternative to casting in-situ.
Whilst traditional precast units are suitable for retaining bulk materials in many circumstances, some situations require a higher specification to withstand impacts from loading plant or to retain higher loads. It is for these situations that the Shuttabloc™ is ideal. No on-site formwork (with the exception of ends/corners), faster installation and a factory controlled finish results in a product that is flexible, cost effective and designed with exactly the same properties as an in-situ wall.

We offer a tailored solution to your requirements and work with you to provide a design that you are happy with. The Shuttabloc™ retaining wall can be manufactured in a variety of heights to suit your needs. The hollow cores of the precast units are pumped full of concrete once in place resulting in a solid push wall that is capable of withstanding significant impacts and loads.

The Shuttabloc™ system has been used for a wide variety of applications including silage clamps, security walls, bulk storage and push walls. Offering a complete package from the moment we receive your enquiry; our friendly sales and design team can assist you with your proposal and talk through the various options, whilst our experienced installation technicians can manage and run the deliveries, off-loading, fixing, pumping and finishing of the units.

**Advantages of the Shuttabloc™ include**
- Up to 50% reduction in build time.
- Suitable for high spec walls needing to withstand impact or retain heavy loads.
- No foundation slab required.
- No on-site formwork required.

**Accessories**
There are a number of accessories which can be used in conjunction with the Shuttabloc® units to achieve a number of variations to the units use and capability.
- Corner units to achieve a continuous gap free wall.
- T-Junctions, in order to create bays to a wall.
- End covers, to seal the wall units and finish off the ends.
SHUTTABLOC™ / 3.0m / 4.0m

SECTION & DIMENSIONS

Overview
Height 3000mm
Width 1220mm
Depth 1257mm
Thickness 457mm (at top)
Weight 4.2 tonnes

Height 4000mm
Width 1220mm
Depth 1257mm
Thickness 457mm (at top)
Weight 5.5 tonnes

Anchoring
Shuttabloc™ units are cast into the ground slab using reinforcing bars cast into the base of the unit.

Loading
Shuttabloc™ is designed for severe loads. All enquiries will be referred to our engineers for individual specifications.
SHUTTABLOC™ / 5.0m / 6.0m

SECTION & DIMENSIONS

Overview
- Height: 5000mm
- Width: 1220mm
- Depth: 1257mm
- Thickness: 457mm (at top)
- Weight: 6.2 tonnes

- Height: 6000mm
- Width: 1220mm
- Depth: 1257mm
- Thickness: 457mm (at top)
- Weight: 7.1 tonnes

Anchoring
Shuttabloc™ units are cast into the ground slab using reinforcing bars cast into the base of the unit.

Loading
Shuttabloc™ is designed for severe loads. All enquiries will be referred to our engineers for individual specifications.
The Taperbloc™ XL has been designed to supply a relatively inexpensive freestanding retaining wall unit where the higher performance capabilities of the Alfabloc® are not required.
The Taperbloc™ XL has been designed from evolution of the original Taperbloc™ as a direct response to the needs and demands of our customer’s and the industries we supply.

Unlike the lighter original product the new Taperbloc™ XL is designed to be a much heavier unit offering a freestanding alternative without the need to ground fix. This product provides easy installation and manoeuvrability with the cast in fork lift tine holes meaning that no specific lifting attachments are required.

With the option of 2.4m or 3.0m, weighing 2.84t and 3.02t respectively, the Taperbloc™ XL is the perfect, cost efficient, alternative product to provide a flexible freestanding concrete retaining wall. Although designed to be freestanding the units can be connected together to provide additional strength against the heavier loads. We are able to supply corners and end covers to cater for your specific needs allowing you to create storage bays for grain storage, silage clamps, aggregate bays, waste management and many more applications in the agricultural, storage and waste management markets.

Advantages of the Taperbloc™ XL
- Ideal for grain walling, waste separation, bulk storage, recycling materials
- No protruding toe makes them ideal for separate material bays
- Easy to manoeuvre and reconfigure to change structure
- Can be double loaded
- Increases storage capacity

Contact us about our Taperbloc™ XL retaining wall unit
Our experienced sales team is always on hand to help and advise you on the features and benefits of all of our retaining wall products and would be more than happy to help you discuss the wide variety of options on offer. Call us today on 01449 723150 to discuss your project.
TAPERBLOC™ XL / 2.4m

SECTION & DIMENSIONS

Overview
Height 2440mm
Width 1220mm
Depth 1220mm
Thickness 109mm (at top)
Weight 2.84 tonnes

Anchoring
Freestanding unit with top channel available to provide additional support

Loading
Taperbloc™ XL can be loaded from either side

Limited to 2.0m with a surcharge
Approx. material density KN/m³

Material Type
- suitable
- not suitable

Gravel/Sand
Grain
Woodchip
Household Waste
Liquid Sewage Waste
Paper Waste
Composted Green Waste
PFA

Overview
height 2440mm
Width 1220mm
Depth 1220mm
Thickness 109mm (at top)
Weight 2.84 tonnes

Anchoring
Freestanding unit with top channel available to provide additional support

Loading
Taperbloc™ XL can be loaded from either side

Limited to 2.0m with a surcharge
Approx. material density KN/m³

Material Type
- suitable
- not suitable

Gravel/Sand
Grain
Woodchip
Household Waste
Liquid Sewage Waste
Paper Waste
Composted Green Waste
PFA

Diagram:
- Typical section through unit
- Elevation
- Plan (top)
- Plan (bottom)
**Overview**
- **Height**: 3050mm
- **Width**: 1220mm
- **Depth**: 1220mm
- **Thickness**: 90mm (at top)
- **Weight**: 3.02 tonnes

**Anchoring**
Freestanding unit with top channel available to provide additional support.

**Loading**
Taperbloc™ XL can be loaded from either side.

Limited to 2.15m with a surcharge
Approx. material density kN/m³

Material Type
- Gravel/Sand
- Gravel
- Woodchip
- Household Waste
- Liquid Sewage Waste
- Paper Waste
- Composted Green Waste
- PFA

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**For more information please contact us.**

enquiries@poundfield.com / 31
The Betaloc® XL is our brand name for the interlocking building block retaining wall system, Betaloc® XL provides a highly flexible construction system using interlocking concrete blocks.
Our standard unit is 800mm x 800mm x 1600mm, made of solid concrete and weighs approximately 2.4 tonnes. With 2 lifting points the units are quick and easy to install, thanks to the stacking design of the units provided by an interlocking system. We also produce a half unit allowing for a flush finish to your walling, if required, which is 800mm in length.

Once in place the wall is ready for use; the only requirement is to have a sound and level base. It is not however recommended that the wall exceeds 2.40m in height if being used as a retaining wall.

The fact that our concrete blocks can be removed and relocated makes them suitable for both a temporary and permanent structure. Perfect for constructing storage areas, dividing walls, perimeter or retaining walls, the brick by brick design allows you to design the wall specific to your requirements and allows complete freedom to modify or expand your wall.
The Beam & Block Floor department was established in 2010 and has experienced rapid and successful growth while developing itself in the current market. This has resulted in the requirement to expand the business in both premises and staff levels in order to continue to meet the increasing supply and demand and retain our high and efficient level of customer service. Our manufacturing capability has increased by almost 80% from our initial starting point and with the addition of two new Hiab wagon and drag vehicles we aim to continue to be the premium choice supplier in the Beam and Block market.
We manufacture quality floors finished to a very high smooth standard, accredited with CE Mark and in accordance with British Standard EN 15037-1:2005. Services we offer include a comprehensive flooring quotation package from design advice and preparation of construction drawings through to delivery to site and even installation. We are more than happy to discuss your flooring project with you and work together to help deliver on time and within budget.

Tradition Beam and Block suspended flooring systems are cost effective, easy to install and can be laid in all weathers. They can be used for both ground and upper floor levels in domestic and industrial buildings and only minimal levels of excavation are required. Inverted prestressed ‘T’ shaped Concrete Beams are laid down with standard concrete blocks between them providing an immediate working platform.

Beam and Block floors provide good sound and thermal installation and eliminate any problems caused by ground movement or sloped land – in comparison to Timber beams they offer a much longer span and are also maintenance free, unaffected by cold and wet weather. They are also draught proof, damp proof and fire resistant.

**N1 BEAM** This is suited for domestic builds (houses and extensions). Height: 150mm x Width: 92mm (supplied to length) Weight: 24kg per metre. This light weight beam is suitable for manual handing; reducing the use of plant. It can achieve a reasonable span, is good value for money and is also suited to thermal flooring.

**T1 BEAM** Suited for domestic and commercial builds. Height: 150mm x Width: 127mm (supplied to length) Weight: 34kg per metre. This is our standard beam and is robust and efficient. It is used for traditional and EPS Floors.

**T2 BEAM** Suited for domestic, commercial and industrial builds. Height: 150mm x Width: 127mm (supplied to length) Weight: 34kg per metre. This is our highest performance 150mm deep beam and can achieve longer spans and support higher loadings compared to timber beams.

**D1 BEAM** Suited for commercial and industrial builds. Height: 225mm x Width: 155mm (supplied to length) Weight: 67kg per metre. This can support high loadings (imposed loads and dead loads). It can span further than 150mm deep beams and can reduce other cost e.g. foundations.

**BLOCKS** We also manufacture 7.3N Medium density concrete infill blocks, tested and suitable for use with our range of Beams.

If your project requires an EPS / Poly thermal floor please contact us to discuss our Bespoke EPS system range.
Our bespoke precast concrete department was established to offer a comprehensive service from design through to finish, providing a wide range of solutions for many different projects throughout a variety of industries such as railway, sea defence, landscape preservation and commercial construction. Working closely with our clients to understand their requirements and offer advice where necessary to ensure the best method of construction and unit design is achieved, our dedicated team has the knowledge and expertise to deal with the challenges of your project.
Poundfield Products can offer a design service varying from development of a precast unit from initial concept sketches, to coordination of a fully specified package. We can offer input at the early stages of a project in order to achieve the best possible solution to your requirements, as well as making our own manufacturing process as efficient as possible.

We have working relationships with a number of consultant engineers whose services can be engaged to provide structural calculations as required. We can then prepare our own GA drawings, unit drawings, detail drawings and bending schedules accordingly.

Alternatively, we can work with a full design package from you or your consultants, for which we can then review for purposes of pre-production consultation.

Our design team includes a qualified AutoCAD technician who works closely with the rest of the bespoke team, to provide practical solutions from their wealth of experience.
MANUFACTURING DEPARTMENT

The bespoke manufacturing department has 3 metre and 4 metre wide heated beds with the capacity to produce up to 600m² of precast concrete per day. In addition we have two dedicated tilting tables, giving us the capacity to produce up to 100m² of wall panels a day, all served by two overhead gantry cranes that allow us to produce units weighing up to 20 tonnes.

We offer bespoke moulds ranging from simple one off casts in timber moulds, using the most up to date plywoods, produced by our own highly experienced team of carpenters, through to fully engineered steel moulds, that are capable of producing an unlimited number of repeat casts.

We work closely with industry experts in supplying admixtures and mix designs. This allows us to produce concrete that is tested by means of slump or flow testing to exacting standards. This process also allows us to produce a consistent mix which in turn produces a matching standard of colour in our units.

We have a purpose built department run by our quality control manager where we can offer in-house cube testing from a UKAS tested crusher. We provide full O&Ms packages on completion of any order consisting of pre and post check sheets, cube results, and CARES certificates.
When considering precast concrete, specialist finishes are often overlooked at a manufacturing stage.

More often than not this requirement is carried out on-site once the precast has been installed. These labour intensive operations result in longer periods on site, often with an increase of activities leading to greater issues for health & safety.

At Poundfield we promote specialist finishes and offer this as part of our bespoke package. From a simple exposed aggregate through to complex impression finishes.

Using the most up-to-date designs in rubber matting any appearance can be given to precast concrete, more importantly, this finish can be repeated time after time in a factory controlled environment. Precast brick faced panels have become a popular choice in recent years and we can provide numerous examples of this on request.

When a specialist finish is asked for you can be sure that it will outlive any post-applied finish. When designed correctly it will naturally blend into its surroundings.
All products are professionally designed and the performance certified by a structural engineer. The use and application of our products must therefore be in line with our guidance and advice. Poundfield Products reserves the right to modify its products and performance, at any time, so please enquire about any changes before ordering or change in application.

Information correct at time of print.