

Retaining walls

Concrete wall solutions



Introducing Poundfield Precast

Poundfield Precast Ltd is a leading precast concrete manufacturer based in Creeting St Peter, Ipswich. Part of SigmaRoc, a large construction materials group.

Specialists in the retaining wall market, we have seven trademarked core products, including the unique 'A' shaped Alfabloc®.



Capabilities

We've been producing retaining wall units for over 20 years and in that time, have expanded our core product range to include seven patented retaining wall products.

With dedicated design, manufacture and install teams, we can offer advice and expertise on all projects which require retaining walls.

Combining old fashioned customer service with modern production methods, we are able to produce concrete retaining wall solutions that last for decades.

In an industry where fire is a legitimate risk, concrete retaining walls are perfectly suited due to their fire-resistant properties. Our retaining walls were fire tested to 2 hours without failure.



Where our retaining wall products are used

Precast retaining wall units from Poundfield Precast are designed to be easy to install, long lasting and suitable for use across a range of industries.

Manufactured in a range of heights up to 6m, the units are designed to effectively store earth, aggregates or other bulky material. To ensure efficient performance on-site, our engineers can provide individual specifications for your loading requirements as well as a full design service, if required.



Agriculture

Due to its tensile strength, precast concrete lends itself to use in farming and agriculture, where the bulk storage of harvested products is a necessity. Depending on your requirements, freestanding units can be used, allowing your storage layout to be altered throughout the year.

Retaining walls are used in the agricultural sector to store grain, bulk materials and in silage clamps. Proven to be a cost-effective, movable storage solution for growers, our Taperbloc™ XL is an excellent option for segregating grain.

For outer walls, prestressed panels can be installed between steel columns to create a continuous and weatherproof wall system.

It is highly recommended that all retaining wall designs are checked by qualified professionals prior to installation. If you choose not to use our in-house engineers, we can supply all technical data sheets and structural calculations to allow your own external engineers to complete this essential undertaking.

Our installation team are highly experienced in fitting our retaining wall systems and can complete the whole job, on your behalf, quickly and with minimum disruption to your day-to-day operations.

Construction

Precast concrete retaining walls are commonly used to retain earth on one side, protecting buildings from the risks of soil movement. Designed to withstand high levels of pressure exerted by the retained material, these walls are also used to create decorative landscaping features.

Often used in house building, we've supplied retaining walls to national home builders for major developments where saturated soil needs to be held back.

At the Chelsea Flower Show our L-bloc®s were used to form an elevated platform, creating a hillside for a gold medal award winning garden.

L-bloc®s have also been used in sea and flood defence projects, where temporary or permanent solutions are required – testament to the diverse range of uses these units offer.





Ports and shipping

With the second largest port industry in Europe, Britain relies on its exports for global trade. Where bulk storage is a problem, our retaining wall units can be used to create temporary or permanent bays. Designed to withstand impact and accommodate considerable loading, these units are robust and can be reconfigured if required.

Used at bulk storage premises across the UK, our retaining wall products play their part in the nation's exporting efforts. For example, at a client's sites in both Goole and Hull, 1,000 Alfablok® units were installed to store in excess of 1 million tonnes of bulk materials every year, including fertilisers and biomass.

Closer to home, 400 concrete units were installed at ABP Port of Ipswich, the largest grain exporting port in the UK. 10 years on, and these units are still in very good shape, testament to their strength and durability. 100 5m L blocs® were delivered last year and another 150 have been ordered this year.



Security

Creating temporary or permanent barriers, retaining walls from Poundfield Precast are strong, non-combustible and able to withstand significant impact and abuse. Due to its angled sides, the Alfablok® offers blast protection in the event of an explosion and can effectively 'stop' a bullet.

Used to protect a prestigious building site of 1,600 homes in Essex, our Alfablok® was used in place of traditional timber hoarding to prevent unauthorised access to the site.

Designed specifically as an alternative to site hoarding, the Alfastop® can create instant barriers, which can be easily reconfigured or extended.



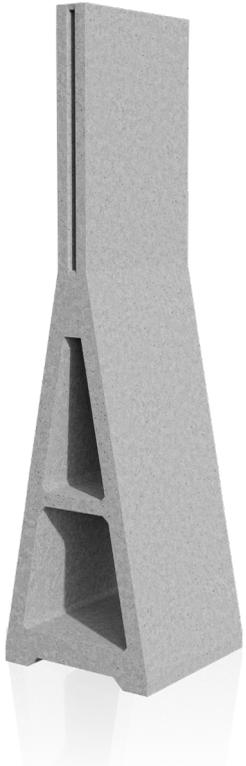
Waste and recycling

Retaining walls are frequently used to separate materials in the waste and recycling industry. At sites all across the country, our Alfablok®, Betaloc® and prestressed panels are all popular choices in this demanding industry.

As well as numerous local jobs, Poundfield has delivered retaining walls to waste and recycling plants as far afield as Ascension Island, a small volcanic island in the south Atlantic.

Proof that with large stocks and regular deliveries, we're best placed to provide retaining concrete walls to any site, anywhere in the world.

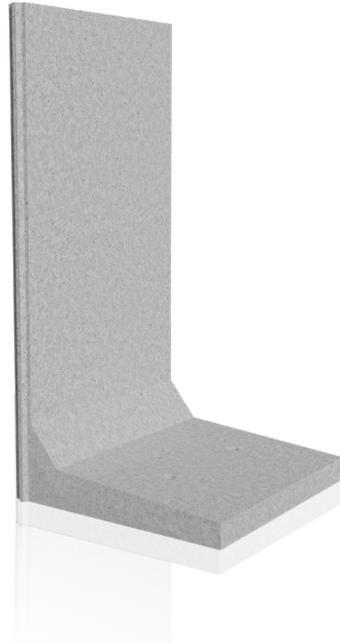
Product range



ALFABLOC®

The Alfabloc® is the only 'A' shape, interconnecting freestanding precast concrete wall system on the market. It is designed to be freestanding for the majority of uses, but can also be ground fixed for higher loading applications.

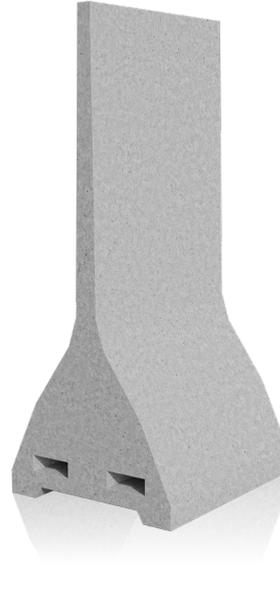
- The biggest advantage is the ability to connect the blocks and create one solid wall which is why it out performs the competition
- Easily transported
- Can be lifted without chains or shackles
- Fast and easy one-man installation
- Easily configured meaning you can change the layout in minutes



L-BLOC®

Standard wall units are produced up to 3.65m in height, (weight 2.2 tonnes), but greater heights of up to 6m can be supplied depending on loading conditions and use.

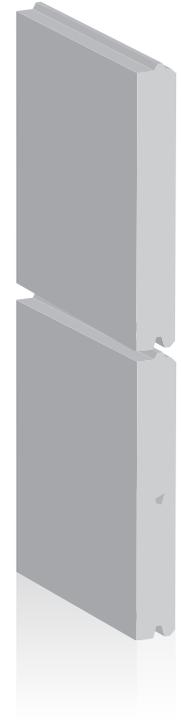
- Ideal for grain walling, waste separation, bulk storage, recycling materials.
- Easy installation, with tongue and groove system.
- Pre-stressed and interlocking, to create robust wall.
- All units are designed to accommodate loading from either side of the wall. No reverse heel.



TAPERBLOC™

Designed for grain walling, waste separation and bulk storage the Taperbloc™ XL can be double loaded and is easily manoeuvred with the cast-in forklift tine holes. This means that no specific lifting attachments are required and it can be installed without the need to be ground fixed.

- Freestanding
- Ideal for grain walling, waste separation, bulk storage, recycling materials
- No protruding toe makes access to stored material easier
- Easy to manoeuvre and reconfigure to change structure



PRESTRESSED PANELS

We are able to make prestressed concrete panels in made-to-measure lengths from 1m up to 6.5m long, and in a range of thicknesses from 100mm – 300mm depending on the loadings required.

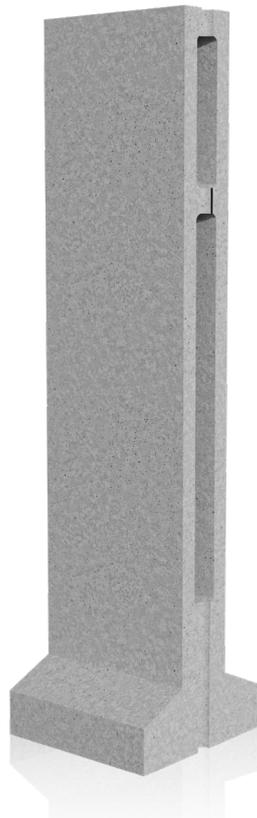
- Made-to-measure
- Interlocking tongue and groove
- Cast in fixing points
- Can be used with existing steel frames
- No foundation required
- Easy to install



BETA LOC®

Solid concrete interlocking blocks are ideal for both temporary and permanent structures. They're easy to stack, move and relocate, making them perfect for constructing storage areas, partition walls, perimeter or retaining walls, or to use in areas such as landscaping, flood defences or site security barriers.

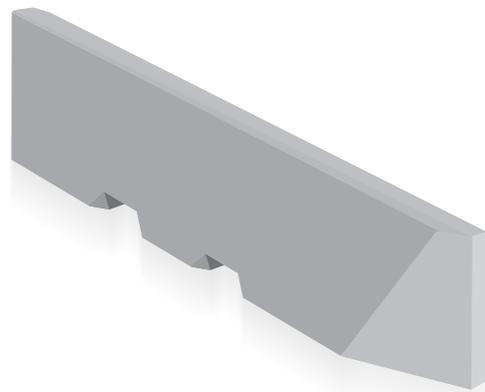
- Ideal retaining wall system
- Rapid and flexible construction
- Lightweight
- Easy installation
- Immediately useable
- Expandable and moveable
- Permanent and temporary applications



SHUTTABLOC™

Whilst traditional precast concrete units are suitable for retaining bulk materials in many circumstances, some situations require a higher specification – this is where the Shuttablocc™ comes into its own.

- Up to 50% reduction in build time compared to full on-site construction
- More economical than casting walls in situ
- Suitable for high spec walls that need to withstand impact or retain severe loads
- Designed to be cast into a foundation floor



ALFA STOP®

As well as being ideal for perimeter fencing, the Alfastop® can also be used to protect your workforce and visitors from hazards on site.

- Instant site security from the moment of delivery
- Easy to reconfigure or extend your fencing
- Offers a temporary or permanent solution
- Reusable for multiple applications
- Added branding for your business is also an option
- Alfastop® is designed specifically to work with a standard Heras fence

For further information please phone 01449 723150 or email enquiries@poundfield.com



This is one of a series of product brochures from Poundfield Precast.
Let us help you with your next innovation in concrete.



For further information please contact us on 01449 723150 or email enquiries@poundfield.com
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