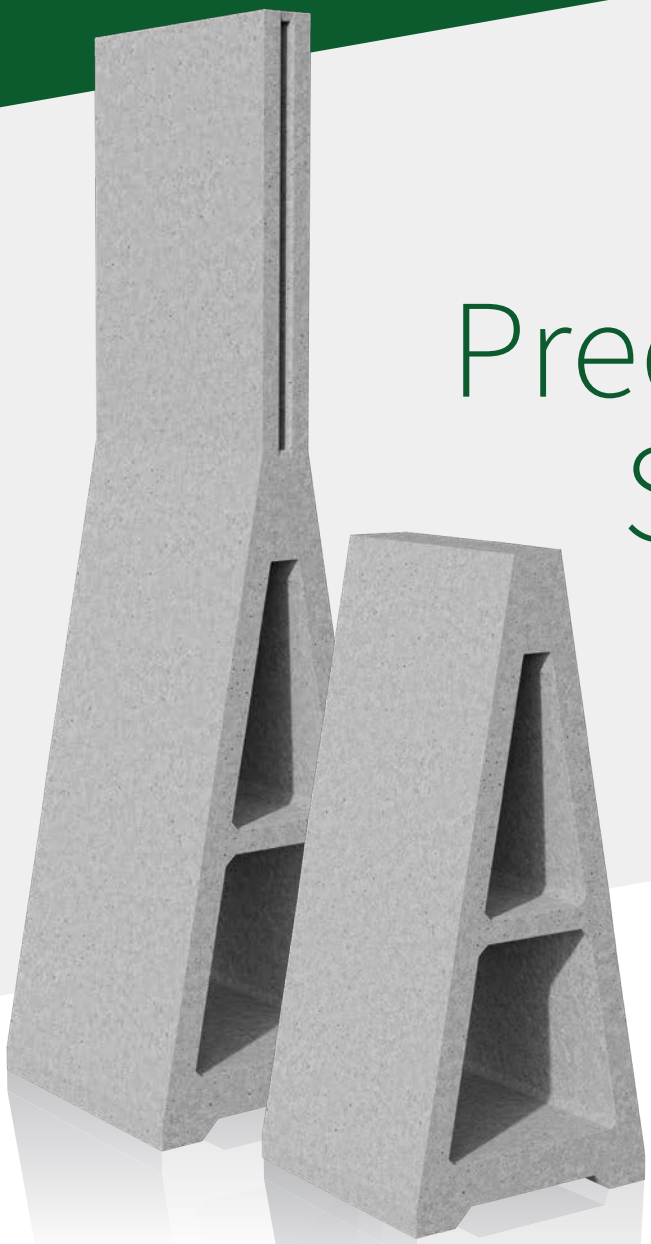
POUNDFIELD PRECAST
A PPG COMPANY
'INNOVATION in CONCRETE'

Precast Concrete Security Walls



ALFABLOC®

Alfabloc concrete security walling is the ideal solution for the protection of important infrastructure projects as well as traffic and crowd segregation. Alfabloc's patented jointed mechanism, utilising the use of steel interconnecting straps, creates a secure and substantial wall which can be erected quickly and easily.

Contact us on 01449 723150
or enquiries@poundfield.com

Product benefits

- Flexible solution – can be repositioned as security needs change
- Can be used freestanding or can be ground fixed to provide additional resistance to impact
- Alfabloc has successfully completed ballistic tests
- Offers blast protection in the event of an explosion, absorbing and reflecting the impact
- Non-combustible
- Maintenance free / long design life
- Available in a range of sizes from 2.44 metres to 6 metres in height

Ballistic protection

Alfabloc security walls can be used for ballistic protection at important infrastructure sites such as substations, power stations, shooting ranges etc. In these environments where security is a priority, our security walls are able to provide protection from blasts and ballistics.

Alfablocs have successfully gone through ballistic tests and whilst not bulletproof, the double layers of the Alfabloc™ will effectively 'stop' a bullet. Not only this, but the angled sides will deflect a projectile before it has a chance to penetrate directly.

Alfablocs are able to offer blast protection in the event of an explosion, absorbing and reflecting the impact.

Concrete is also known for its fire protection qualities. Non-combustible, concrete has a slow rate of heat transfer, providing excellent shielding from heat in the event of an incident.

Our security walls are maintenance-free and long-lasting, providing protection from terrorists to potentially vulnerable buildings for many years.

Hazardous protection

Alfablocs are used in a variety of industries, including at nuclear power stations, where they are designed to provide protection from hazardous materials.

Heavyweight concrete acts as shielding from hazardous materials for nuclear and medical purposes. The higher the density of the concrete, and the thicker it is, the more effective the material is at reducing the radiation's intensity. A higher density concrete means a thinner wall can be used, saving space on-site. We can create bespoke solutions using heavy natural aggregates with a higher density than our normal blocks to reduce this radioactivity.

At Sizewell A nuclear power station we supplied a number of Alfablocs to construct a shield wall to reduce 'shine' or radiation. The power station was being decommissioned, with interlocking Alfablocs used to surround the active waste facility building during this process.

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SHUTTABLOC™

If casting a wall in-situ is being considered then the use of Shuttabloc offers many advantages. Benefiting from up to a 50% reduction in build time compared to full on-site construction Shuttabloc offers a more economical option than casting walls in-situ.

With its internal reinforcing system Shuttabloc is suitable for high spec walls that need to withstand considerable impact.

Consider these benefits:

- **Up to 50% reduction in build time** compared to full on-site construction
- **No on-site formwork required**
- **Less wastage** than in-situ construction
- Suitable for high spec walls needing to **withstand impact**
- **Less weather dependent** than in-situ construction
- **Factory controlled finish**
- **No concrete finishing** on site
- **No foundation slab** required
- Available in a range of heights from 3 metres to 6 metres.
- Full design, supply and install service available

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