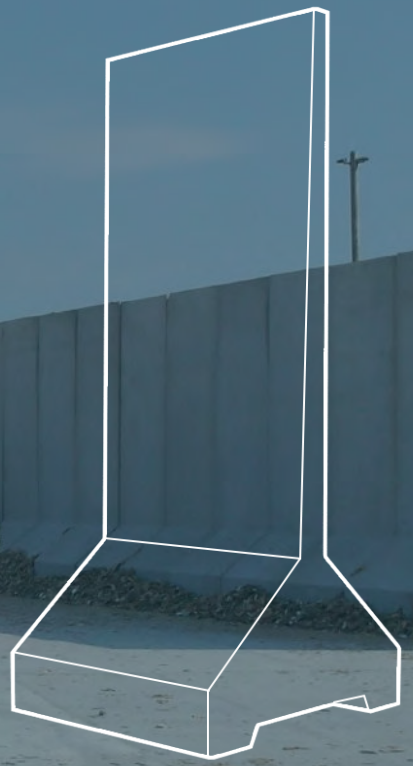
JP Concrete

DESIGN | SUPPLY | INSTALL

FREESTANDING **RETAINING WALL**



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Expert advice

Our product specialists will advise on the most cost-effective precast solution for your project.

Quality Assured

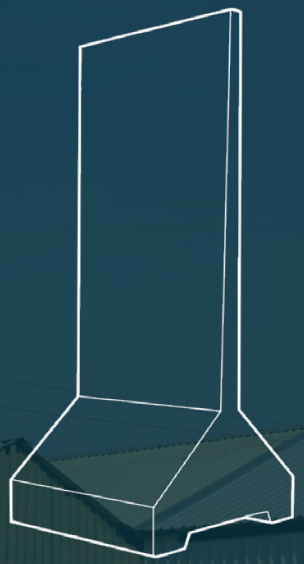
We are proud to hold ISO: 9001, 14001 & 18001 Constructionline Silver Membership & SSIP

Precast solutions

Our skilled teams of engineers, groundworkers & precast installers cover the entire project life-cycle.

FREESTANDING **RETAINING WALL**

Freestanding retaining walls are a versatile product which can be used to store wide variety of materials.



- Retaining Wall Heights 1.5m to 3.5m
- 90 Degree Corner Units
- Chamfered Edges
- C60 Concrete Mix Strength
- Installation Service Available

Features

90° corner units are available for all unit heights, enabling you to construct bays with ease.

Units are easily manoeuvred to create flexible storage solutions.

Wall units are manufactured under factory-controlled conditions, designed to relevant British Standards and are CE marked.

The freestanding retaining walls are suitable for a wide range of applications including:

- Storage Bays
- Aggregate Bays
- Waste & Recycling
- Flood Defence
- Grain Walling

We provide a full design, construction & installation service for all of our products, enabling us to offer turnkey solutions. Call the team today to discuss your project. 01158 220 282

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PRODUCT **SPECIFICATIONS**

Below is a table outlining the characteristics of the freestanding retaining wall.

Here you can find information on concrete strength, material density and surcharge capacity.

Wall units are manufactured under factory control, have been designed to relevant British (BS) standards and are CE marked.

If you require any further details please contact us and one of our product experts will be happy to provide more information.

Concrete Strength C60	**Material Density** 18	**Surcharge Capacity** 0	**Design Life** 50
Compressive strength of concrete after 28 days of curing.	Maximum material density of retained material, measured in kN/m^3	Maximum surcharge capacity of precast element, measured in kN/m^2	Number of years precast element has been designed for.
Connection	**Edge Detail**	**Concrete Finish** A	**Fire Resistance** N/A
Precast elements have flat sides & do not interlock.	Chamfered edges create softer sight lines & reduce damage during installation	Smooth mould finish Type A to precast element, defined in British Standards	Number of minutes precast element would provide fire resistance.
Reinforcement Cover 30	**Tolerances** 6	**Foundation Type** RC	**Retained Face** DL
Minimum cover to steel reinforcement in precast element, measured in mm.	Typical manufacturing tolerances & dimensional variations +/- in mm.	A reinforced concrete (RC) foundation is required for installation.	Double Load - Precast element is suitable for retaining material on both faces

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PRODUCT **RANGE**

In addition to the standard units shown below, 90o corner units are also available for all heights, enabling you to construct storage bays with ease.

Installation of the precast units is quick and easy, the elements placed directly onto a reinforced concrete foundation or concrete floor slab. The units can be connected to each other using a steel channel, bolted to the top of the units. No additional support is required, making them the perfect solution if you have no existing steelwork to fix to.

1.5m

Height	**1500mm**
Length	**1200mm**
Width	**1300mm**
Weight	**1750kg**

2m

Height	**2000mm**
Length	**1200mm**
Width	**1300mm**
Weigth	**2180kg**

2.5m

Height	**2500mm**
Length	**1200mm**
Width	**1300mm**
Weight	**2380kg**

3m

Height	**3000mm**
Length	**1200mm**
Width	**1300mm**
Weight	**3080kg**

3.5m

Height	**3500mm**
Length	**1200mm**
Width	**1300mm**
Weight	**3190kg**

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Sales

Suite 3

Alfreton Road

Derby DE21 4AS

Manufacturing

Langar Trading Estate

Harby Rd

Langar

Nottingham NG13 9HY

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