



JP Concrete

DESIGN | SUPPLY | INSTALL

# MODULAR RETAINING WALL

[www.jpconcrete.co.uk](http://www.jpconcrete.co.uk)



## 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.

# MODULAR RETAINING WALL

The Modular retaining wall has the largest range of sizes available of any precast retaining wall system and is the quickest to install.

- ✓ Retaining Wall Heights 0.5m to 6m
- ✓ Retaining Wall Lengths 1m to 6m
- ✓ 10kN/m<sup>2</sup> Surcharge Capacity
- ✓ C60 Concrete Mix Strength
- ✓ Install up to 100m per day

## Features

Units can be customised giving you options such as sloping tops and specific lengths.

Decorative Reckli® patterns can be cast into the visible face of the wall.

Walls are exceptionally fast to install and align, it's possible to place over 100m of wall in one day.



The modular retaining wall units are suitable for a wide range of applications including:

- Earth Retention
- Architectural walling
- Storage Bays
- Salt Barns
- Waste & Recycling
- Flood Defence
- Bund 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



# PRODUCT SPECIFICATIONS

Below is a table outlining the characteristics of the modular retaining wall units.

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.

|  |   |  |  |  |           |  |            |
|--|---|--|--|--|-----------|--|------------|
| <b>Concrete Strength</b>   | <b>C60</b>  | <b>Material Density</b>  | <b>18</b>  | <b>Surcharge Capacity</b>  | <b>10</b> | <b>Design Life</b>   | <b>50</b>  |
| Compressive strength of concrete after 28 days of curing.                |   | Maximum material density of retained material, measured in $\text{kN/m}^3$ .   |  | Maximum surcharge capacity of precast element, measured in $\text{kN/m}^2$   |           | Number of years precast element has been designed for.                             |            |
| <b>Connection</b>  |  | <b>Edge Detail</b>   |  | <b>Concrete Finish</b>   | <b>A</b>  | <b>Fire Resistance</b>   | <b>N/A</b> |
| Precast elements interlock with tongue and groove edges.                 |   | 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.                   |            |
| <b>Reinforcement Cover</b>   | <b>30</b>   | <b>Tolerances</b>  | <b>6</b>   | <b>Foundation Type</b>   | <b>T1</b> | <b>Retained Face</b>   | <b>SL</b>  |
| Minimum cover to steel reinforcement in precast element, measured in mm. |   | Typical manufacturing tolerances & dimensional variations +/- in mm.           |  | A Type1 foundation can be used if the ground bearing capacity allows.        |           | Single Load - Precast element is suitable for retaining material on toe side only. |            |

# PRODUCT RANGE

In addition to the standard sizes shown below, corner units are also available. We can also manufacture units with bespoke elements and decorative finishes.

Installation of the precast units is exceptionally fast, up to 100m per day. Unlike our other precast retaining wall solutions, the modular units do not require fixing once in position. Bespoke options such as sloping tops and custom lengths are also available.

| Height (mm) | Length (mm)       | Width (mm) | Unit Weight (kg) |
|-------------|-------------------|------------|------------------|
| 500         | 2000 & 4000       | 350        | 380              |
| 750         | 2000, 4000 & 6000 | 600        | 620              |
| 1000        | 2000, 4000 & 6000 | 600        | 740              |
| 1250        | 2000 & 4000       | 850        | 970              |
| 1500        | 2000 & 4000       | 850        | 1100             |
| 1750        | 2000 & 4000       | 1150       | 1510             |
| 2000        | 2000 & 4000       | 1150       | 1630             |
| 2250        | 2000              | 1350       | 2260             |
| 2500        | 2000 & 4000       | 1600       | 2440             |
| 2750        | 2000              | 1600       | 3020             |
| 3000        | 2000              | 1600       | 3006             |
| 3500        | 2000              | 1850       | 4250             |
| 3750        | 2000              | 2100       | 5230             |
| 4000        | 2000              | 2100       | 5350             |
| 4500        | 2000              | 2300       | 6520             |
| 5000        | 2000              | 2300       | 9990             |
| 5500        | 2000              | 2600       | 10350            |
| 6000        | 2000              | 2600       | 10680            |







## Get clarity

Visit our new website and get to grips with our precast products in detailed 3D



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DEVON

SUSSEX

Get a FREE quotation or advice  
Call **01158 220 282** or  
email: **info@jpconcrete.co.uk**

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