

NAYLOR

PRECAST

Made in the UK

Excellent Construction Products



Precast Concrete Products

Retaining Structures

Tanks

Prestressed Panels

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Introduction

Naylor Precast a member of the Naylor Industries PLC Group. Initially producing prestressed concrete lintels Naylor has developed into one of the leading suppliers of prestressed and precast concrete products in the UK.

Recognising the advantages of precast concrete retaining and storage structures, products particularly for use within the industrial and agricultural sectors.

All our concrete is produced from our own static mixing plants.

Naylor have achieved standards to ISO 9001 along with UKCA marking and our products are designed to BS EN specifications. Internal quality control and third party audits ensure continuous compliance.

The Naylor Precast team have the knowledge and expertise to be able to offer a complete package from initial enquiry, site advice, through to the design, detailing, manufacture and installation of our quality products.

Technical Services

Our team of structural engineers, designers and CAD technicians can advise on all aspects of your project, from first concept through to final design details.

Call our free technical hotline on 0800 5424192

Or email us on technical@naylor.co.uk

Quality Assurance

Quality standards are maintained by Naylor in house quality inspectors and are audited by external certification bodies. Our precast facilities meet the requirements of ISO 9001. All units are manufactured under factory control and designed in accordance with the relevant British Standards and Eurocodes and are UKCA marked.

Specification

Rockwall and Groundwall are designed in accordance with BS EN1992: Part 1: 2004 + A1: 2019 – Design of concrete structures – General rules and rules for buildings. Also, BS EN 1997: Part 1: 2004 + A1: 2013 – Geotechnical design.

Rockwall and Groundwall are in compliance with EN15258 – Retaining wall elements.

Sealwall and Modular Tanks are designed in accordance with BS EN1992: Part 1: 2004 + A1: 2019 – Design of concrete structures – General rules and rules for buildings. Also, BS EN 1992: Part 3: 2006 – Design of concrete structures – liquid retaining and containing structures.

Prestressed panels are designed in accordance with BS8110: Part 1: 1997 – Structural use of concrete – Code of practice for design and construction. Also, BS5502: Part 40: 2005 - Buildings and structures for agriculture - Code of Practice for design and construction of cattle buildings.

All Naylor precast units comply with BS EN 13369: 2018 – Common rules for precast units.

All Naylor precast units have a concrete strength of 50N/mm² and comply with BS8500 and BS EN 206.



Rockwall

With heights ranging up to 3.8m high, Rockwall is the ideal answer to most bulk storage containment needs. Cast as L shaped wall sections, they can be used to retain earth and most bulk materials both above and below ground. Used widely in recycling and agricultural industries for storing and dividing waste and by-products, Rockwall is an all round solution to everyday production needs. Rockwall can be positioned in long lengths or, utilising corner sections, form infinite sized storage bunkers or skip bays as in a modern transfer station. Rockwall also



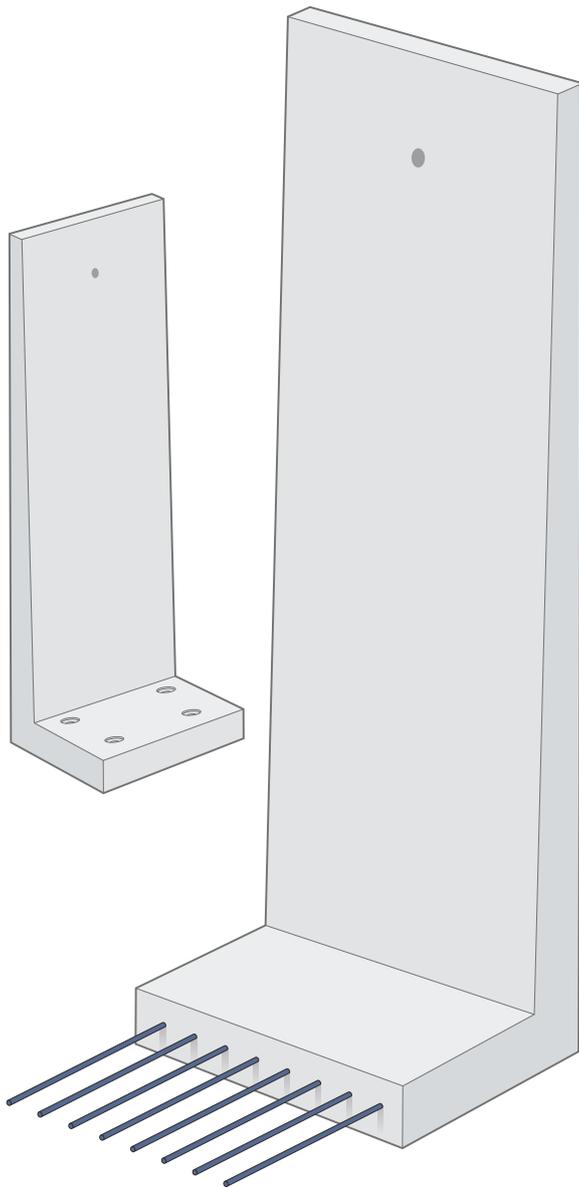
has the basic ability to act as a retaining structure in general applications such as ground walling, perimeter boundaries and changes in levels, mainly where constraints such as access and time are paramount. The Rockwall retaining units can be cast in to new concrete slabs or anchored down to new or existing concrete foundations.



Typical Uses

- Bund walls
- Earth retention
- Flood defences
- Retaining walls
- Storage bays
- Waste and recycling applications
- Slurry management
- Agricultural buildings
- Salt barns
- Domestic applications

Rockwall



Scope of Manufacture

- Standard product height available 2.55m, 3.2m and 3.8m (other heights upto 3.8m available on request)
- NEW double load anchored down range heights available 1.0m, 1.5m, 2.0m and 2.5m
- Standard width product 1.0m
- Bespoke widths between 0.5m and 1.0m upon request
- Single load panels to load from toe side only
- Double load panels to load from either face



Groundwall

A big brother to our Rockwall units, the Groundwall panels are thicker and able to withstand higher loads from factors such as heavy plant and large vehicles up to a storage height of 4m. As with the Rockwall panels, they can be used above or below ground with the cast in or bolt down fixing option. Groundwall ideally suits applications such as push walls to resist machinery loads, extreme heights of storage, salt barns, and basements to buildings and dwellings. They can also be used as retention for railway embankments and highways.



Typical Uses

- High load retaining walls
- Slurry management
- Retaining structures
- Flood defences
- Storage bays
- Silage clamps
- Salt barns
- Railway and highway embankments
- Below ground CSO chambers

Groundwall



Scope of Manufacture

- Standard heights available in 50mm increments to a maximum of 5.0m
- Standard width product 1.0m
- Bespoke widths available from 0.5m to 1.0m upon request





Sealwall

Liquid Holding Tanks

Being one of our elite products, the Sealwall units have undergone years of research and development to create a robust, precast solution for storing water without the need for in situ concrete make up pieces.

Cast in segmental units up to a storage height of 4m, Sealwall tanks can be situated above or below ground and can be positioned in square, rectangular or circular arrangements. The units have a unique jointing system that ensures a watertight and secure connection between adjacent panels. Meeting the stringent requirements of both BS 8007 and EC2, our Sealwall units are largely used within the water industry as sludge, storm overflow and sewage tanks.

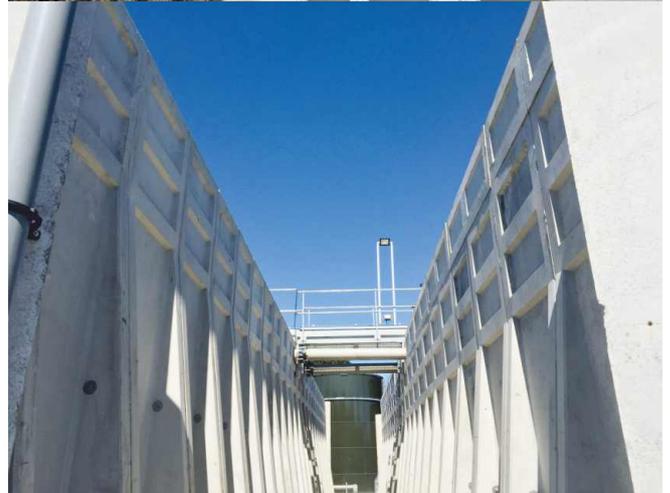
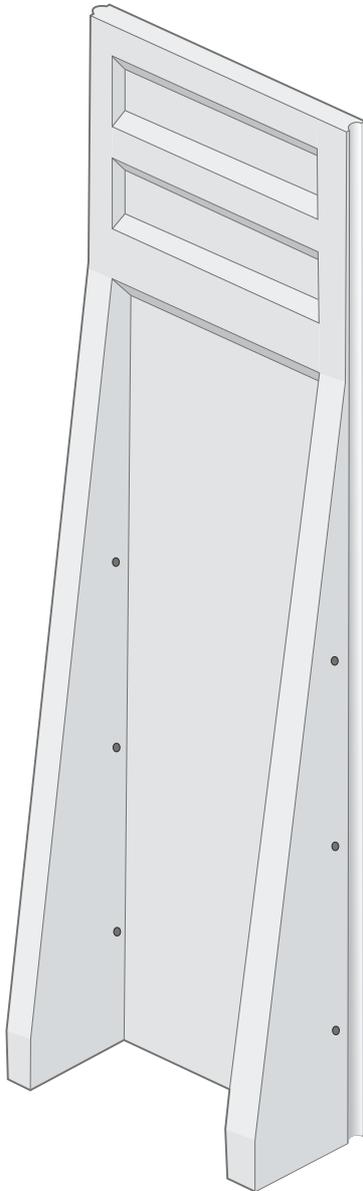


Typical Uses

- Liquid holding tanks - above ground
- Liquid holding tanks - below ground
- Utilities applications
- Settlement tanks
- Waste water treatment tanks
- Separation tanks

Sealwall

Liquid Holding Tanks



Scope of Manufacture

- Available in standard heights only of 3.30m, 3.80m and 4.30m
- Widths only available in 1.00m
- Pipe penetrations can be formed in units if required



Modular Tanks

Our innovative modular tanks are designed for use below ground for the storage of most liquid types. Commonly used to contain leachate and dirty water, the tanks are supplied in flat pack form, complete with a concrete cover, which can be solid or slatted to allow surface water inflow.

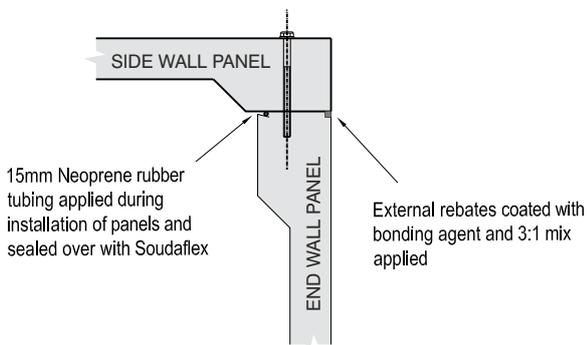
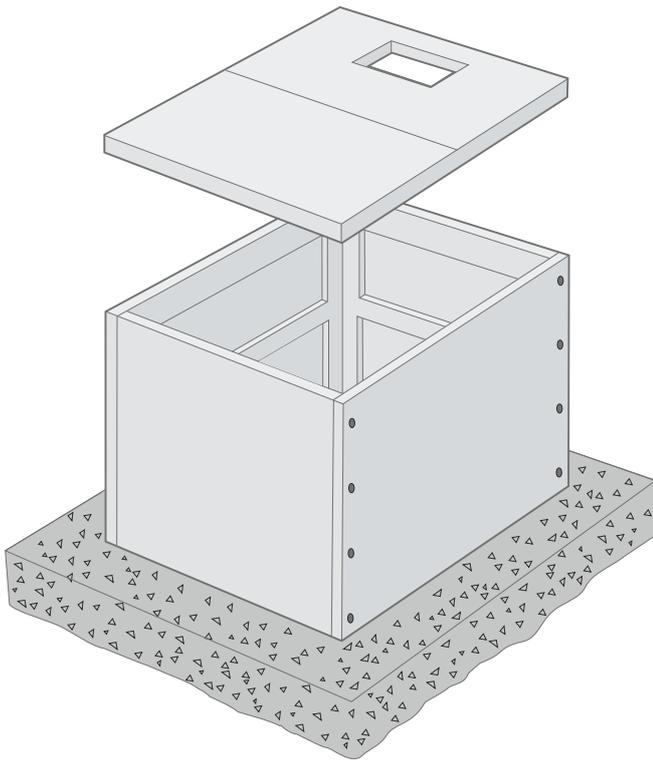
A single modular tank has a holding capacity of 10m³ and can be combined with further module elements to increase the total capacity up to 100m³. With correct installation, the finished tank will comply with BS 8007.



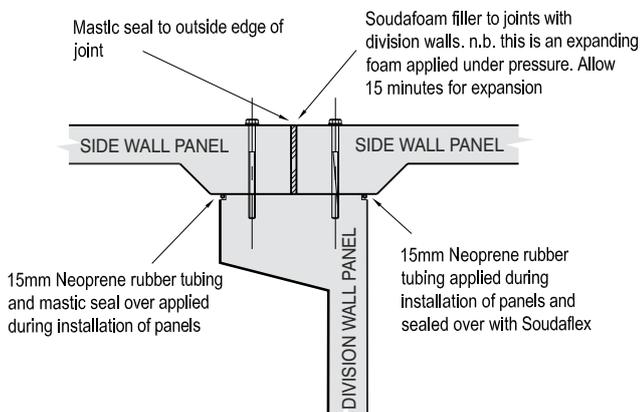
Typical Uses

- Dirty water storage
- Leachate storage
- Separation tanks
- Holding tanks
- Washdown tanks

Modular Tanks



SECTIONAL PLAN AT END/SIDE WALL



SECTIONAL PLAN AT DIVIDING/SIDE WALL VERTICAL JOINTS



Prestressed Panels

Our prestressed concrete walling system can be applied to most storage requirements. Our prestressed panels offer a flexible and cost effective method of storage and walling without compromise on quality or finish. Having the ability to be constructed to span vertically or horizontally, allows prestressed panels to be used in a wide range of applications including building cladding, division walling and creation of storage area. Formed in long steel moulds, the panels are manufactured to ensure a dense, impermeable and durable finish. The panels can also be used in conjunction with steel columns to provide king post systems for deep excavation sides or retaining structures.

Typical Uses

- Agricultural buildings
- Building cladding
- King Post walling systems
- Division walling
- Grain walling
- Roof slabs
- Temporary Roadways

Scope of Manufacture

- Available in 4 standard thicknesses
- Standard heights of 0.5m, 0.6m, 1.0m, 1.2m and 1.5m
- Maximum length available dependant upon product thickness – please contact us for more detail



Hi-Spec and Fair Faced Lintels



Fire-Spec, Faced Fire and XtraFire Lintels



Padstones



L-Strip Lintels



Precast Concrete



Naylor Fencing Materials

Naylor Industries plc - more than 130 years of production and supply to the Construction Industry

- Vitrified clay pipe systems for trench and trenchless installation
- Thermachem - Chemical Drainage and Industrial Ceramics
- Band-Seal couplings for the repair of and connections into existing pipelines
- Plastic Land Drainage, Twinwall Ducting Systems and Access Boxes
- Yorkshire Flowerpots, a range of frostproof plant pots

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**NAYLOR CONCRETE
PRODUCTS LIMITED**

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