naylor
CONCRETE

Retaining Walls



Precast retaining
wall solutions

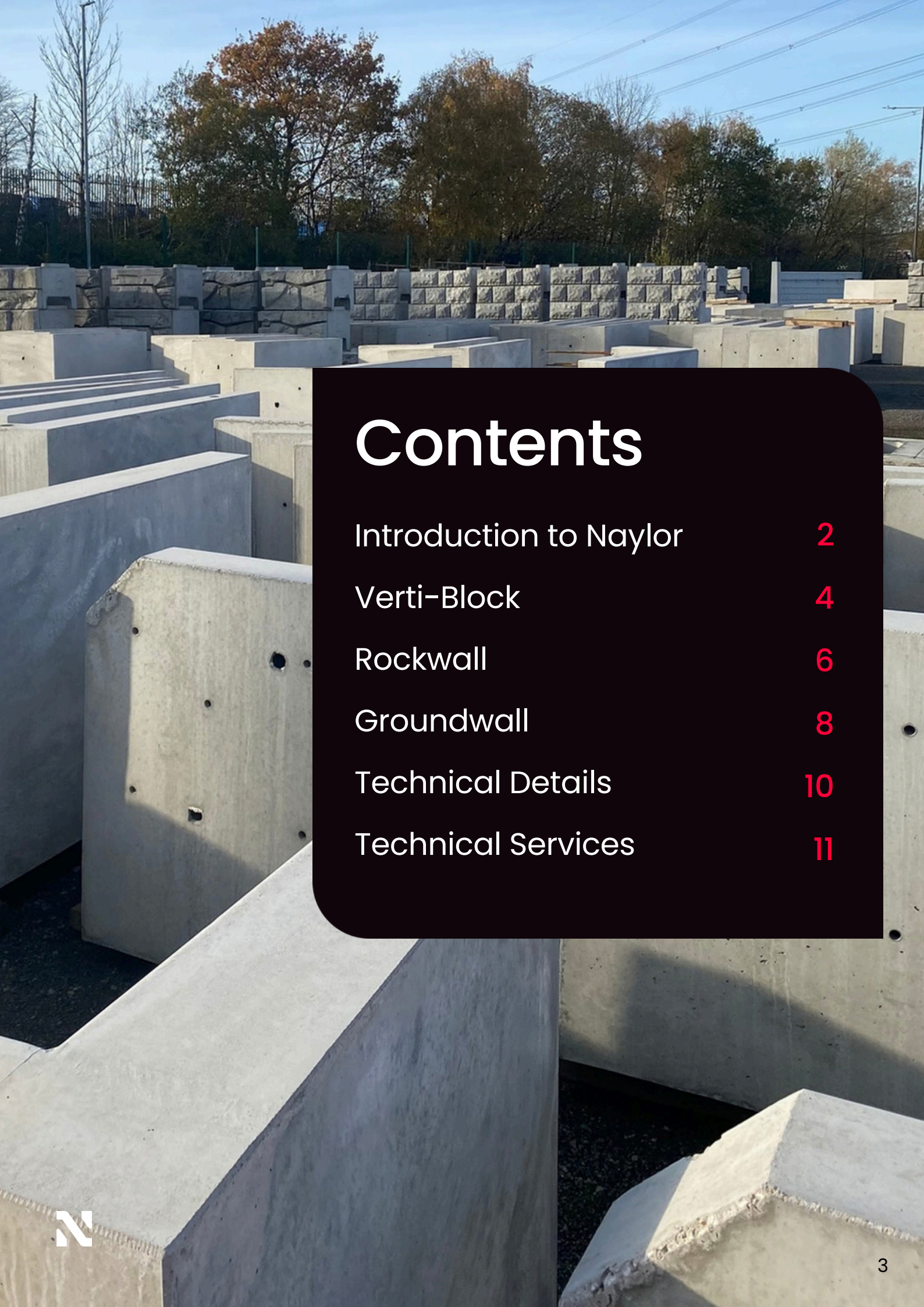
naylor
CONCRETE

We are Naylor Concrete. For over 80 years, we have been manufacturing concrete lintels, fencing posts, precast retaining walls, and liquid holding tanks. Naylor Concrete was originally established in Yorkshire, in 1943, as Dalestone Ltd, before joining the well-known Naylor Industries family in 1979; a company with over 130 years' experience in the construction industry. Since then, Naylor Concrete has continued to grow and now has two key divisions, Naylor Precast and Naylor Lintels.

Naylor Precast products are used extensively in the treatment and processing of waste liquids, storage of bulk materials and retaining walls. We also manufacture concrete bollards for security and concrete fencing posts.

Naylor Lintels are an unrivalled range of prestressed concrete lintels, one of the most trusted and widely specified lintel ranges in the UK. We offer a range of lintels to suit various building requirements, from our standard Economy range, to our premium XtraFire™ range. We work with nationwide stockists to offer local supply facilities throughout the UK.

We know that finding the right product for your project is key, that's why our team of structural engineers, designers, and CAD technicians will advise on all aspects of your project, from first concept through to final design details.



Contents

Introduction to Naylor 2

Verti-Block 4

Rockwall 6

Groundwall 8

Technical Details 10

Technical Services 11



An Introduction to Verti-Block

Verti-Block by Naylor is an innovative new approach to retaining walls. Unique in size, shape and flexibility of use, our Verti-Block system is an ideal solution for residential and commercial projects alike.

These hollow blocks are perfectly proportioned for the most popular types of landscaping projects, including gravity walls. The hollow design makes it affordable and easy to handle, when compared with solid blocks.

Available in four different block styles; standard, top, half and corner in two different finishes - Cut Sandstone and Canyon Ledge. Extended standard and half versions up to 1500mm deep available on request. Pipe penetrations can also be formed in the units if required.

Applications

Plantable Retaining Walls | Gravity Walls
Terracing | Landscape Projects
Base Walls | Flood Prevention
Property Dividers | Freestanding Walls

View the Verti-Block Brochure here



Strong and Versatile

Even more appealing, Verti-Block is incredibly strong and versatile thanks to its interlocking design. Featuring a male and female style connection, Verti-Block units ensure you'll get a secure fit that guarantees the correct amount of setback on every installation.

Verti-Block's hollow design saves money by using less concrete and lowering transportation costs. It also ensures the right amount of crushed stone backfill for essential support, reducing costs often incurred through excess crush stone.

Easy Installation

Verti-Block is easy to transport and even easier to install, even in tight access spots, with an 80-100m wall capable of being installed in a single day. There’s no need for heavy machinery either - blocks can be installed with smaller equipment due to their weight. Plus, their male and female connection eliminates placement error. Upon ordering, your team will be provided with a detailed installation plan for your retaining wall.

Engineered for Strength

While the hollow nature of Verti-Block makes it cost effective and easier to handle, it also improves its ability to retain earth. Even in poor soil conditions, Verti-Block can be stacked higher than other blocks without the use of tiebacks or geogrid. The male and female design of Verti-Block adds a stronger connection than blocks relying on friction alone. The crushed stone fill also interlocks and creates a continuous mass for greater strength.

A Cost-Effective Solution

Best of all, Verti-Block delivers tremendous cost savings. As a hollow block, Verti-Block is lighter, requiring less manpower, equipment, and transport costs. It's quick to install, and the product itself is less expensive to manufacture than solid block options. The internal drainage through the block's infill also means no over or under excavating, because no additional crushed stone backfill is required.



An Introduction to Rockwall

Available in a range of heights up to 3.8m and a standard width of 1.0m, our Rockwall units are suitable for use in a huge range of applications. We manufacture both single load panels, which can be loaded from toe side only, and double load panels that can be loaded from either face.

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 byproducts, Rockwall is an all-round solution to everyday production needs.

Applications

Bund Walls | Earth Retention | Salt Barns | Flood Defences | Retaining Walls
Waste & Recycling Applications | Agricultural Buildings | Storage Bays
Domestic Applications | Slurry Management



Built to Last

Our precast concrete mix is incredibly strong and highly durable. The material can withstand heavy soil loads, whilst also withstanding harsh weather conditions too. Plus, the Rockwall panels require little to no maintenance and have a design life of at least 50 years.

Cost Effective

With the panels precast and shipped to your site ready to go, the time required for installation is dramatically reduced compared to traditional pouring in-situ. So not only do you save on labour costs required for installation, but you also cut material costs too.

Versatility

Thanks to its design, our Rockwall units can be positioned in long lengths, or when utilising corner sections, can be used to form infinite sized storage bunkers or skip bays as commonly used in modern transfer stations.

Rockwall also has the ability to act as a retaining structure in applications such as ground walling, perimeter boundaries and changes in levels. Additionally, thanks to its design, Rockwall units can be cast in to new concrete slabs or anchored down to new or existing concrete foundations to suit your site.



An Introduction to Groundwall

Our Groundwall range is made up of thicker panels and is therefore capable of withstanding far higher loads from factors such as heavy plant and large vehicles; it's essentially Rockwall's big brother.

With a greater potential storage height of 4m, Groundwall units are ideal for more demanding applications. Like Rockwall, they can be used both above and below ground and secured in place by either the cast in or bolt down fixing options.

Available in standard heights in 50mm increments up to a maximum height of 5.0m, with a standard panel width of 1.0m. Bespoke widths from 0.5m to 1.0m also available upon request.

Applications

High Load Retaining Walls | Slurry Management | Retaining Structures | Flood Defences
Flood Defences | Storage Bays | Silage Clamps | Salt Barns | Railway Embankments
Highway Embankments | Below Ground CSO Chambers



Incredible Strength

With a wider thickness than Rockwall, Groundwall panels are capable of withstanding huge amounts of pressure. Due to its heightened abilities, Groundwall is ideal for applications such as push walls to resist machinery loads as well as extreme heights of storage.

Practical Solution

If you're in need of a high load retaining wall or storage solution, there's no solution more ideal than Groundwall. The panels are ready made using our high-quality mix and delivered to your site in exact quantities based on your requirements. All of which significantly reduces the time taken and the materials required, when compared to traditional techniques.

Highly Adaptable

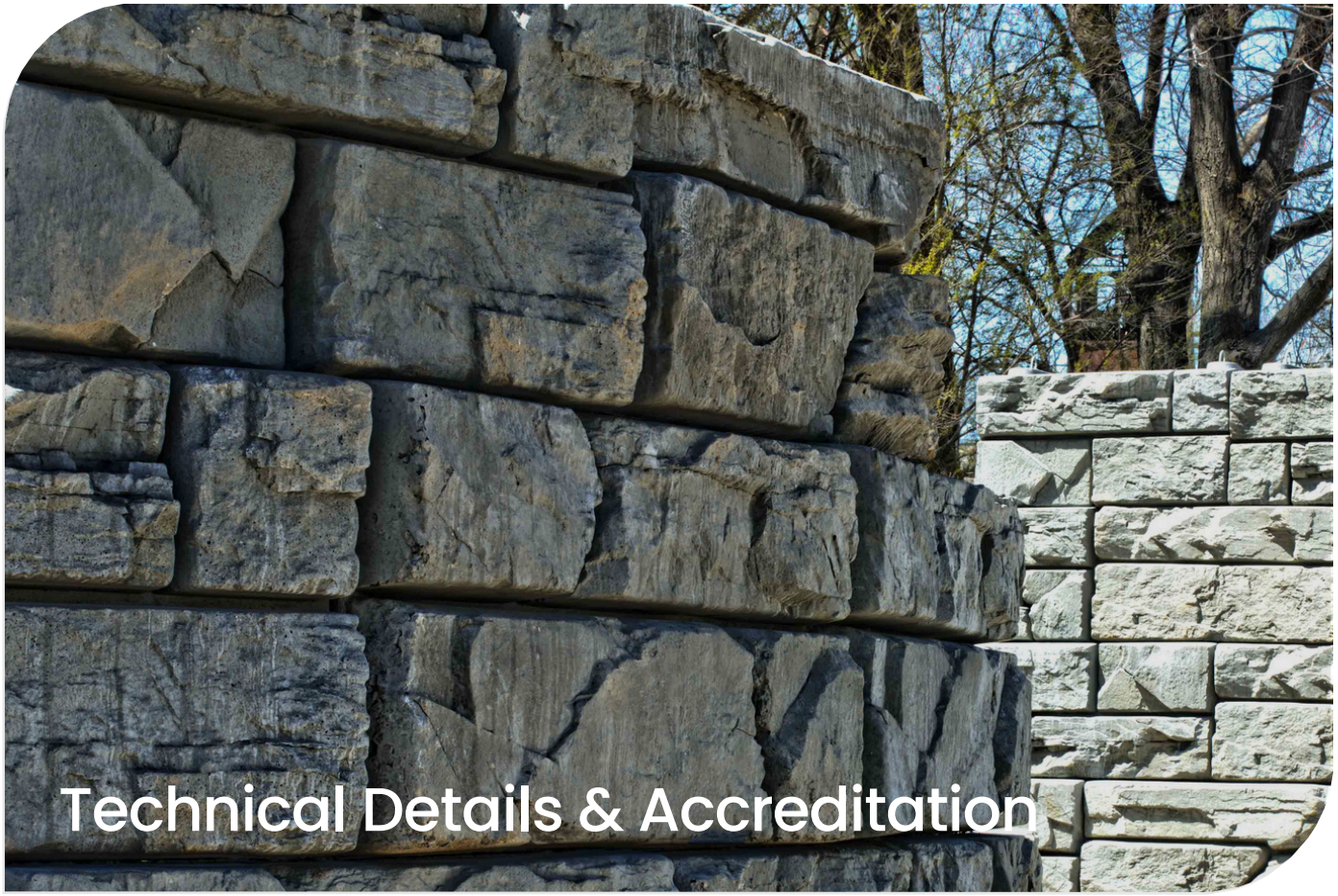
With its modular, panelled design, Groundwall can be oriented in numerous positions to suit your site and your needs. Whether that's a long length for flood defences, or rectangular shapes to use as storage bays that utilise our corner sections, Groundwall is suitable for a wide variety of applications.



Retaining Wall Selector

When it comes to choosing the right retaining wall for your next project, we've got the ultimate cheat sheet to help you decide.

Consideration	Rockwall	Groundwall	Verti-Block™
System type	Precast concrete L-Wall	Heavy-duty precast concrete L-Wall	Modular precast retaining wall
Best suited to	General retaining and containment applications	More demanding, high-load retaining applications	Projects requiring flexibility, aesthetics or significant retaining heights
Typical applications	Earth retention, agriculture, bulk storage, waste & recycling	Heavy-duty industrial, bulk storage and high-load applications	Infrastructure, commercial, landscaping, highways, rail and developments where appearance is important
Standard heights	1.0m to 3.8m	1.0m to 5.0m	Designed to suit individual project requirements
Loading	Surcharges up to 10kN/m²	Designed for more demanding loading requirements	Engineered to suit project-specific loading and ground conditions
Available space	L-shaped units require suitable foundation space	L-shaped units require suitable foundation space	Can provide an alternative where maximising usable space is important
Appearance	Functional precast concrete finish	Functional precast concrete finish	Textured architectural finishes, including Canyon Ledge and Cut Sandstone
Installation	Precast units allow efficient installation	Precast units allow efficient installation	Modular construction, with installation rates of around 80–100m²/day achievable once the base course is established*
Design approach	Selected according to project requirements	Selected according to project requirements	Gravity or reinforced solutions depending on project requirements
Consider this system when...	You need a versatile precast solution for general retaining or storage	Loading or application demands a more heavy-duty solution	Appearance, flexibility, usable space or more complex retaining requirements are priorities



Technical Details & Accreditation

Certification

Our retaining wall products have been designed in accordance with BS EN 15258:2008 - Precast concrete products. Retaining wall elements.

Quality

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

Regulations

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.

Delivery

Prior to delivery, a member of the Naylor Concrete team will be in contact with your site representative to confirm all details for delivery. This will include checking access, obstructions and bearings.

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, we're here to help.

Call our free technical hotline on 0800 5424192 or email us on technical@naylor.co.uk for advice.



naylor
CONCRETE

Prestressed Concrete Lintels | Padstones |
Retaining Walls | Liquid Holding Tanks | Fencing

Manufactured
at the heart of the UK

Ref: RETAINING WALL - November 2026

01226 320 810
precast@naylor.co.uk
www.naylorconcrete.co.uk