

RETAINING SOLUTIONS

RESIDENTIAL & COMMERCIAL RETAINING SYSTEMS



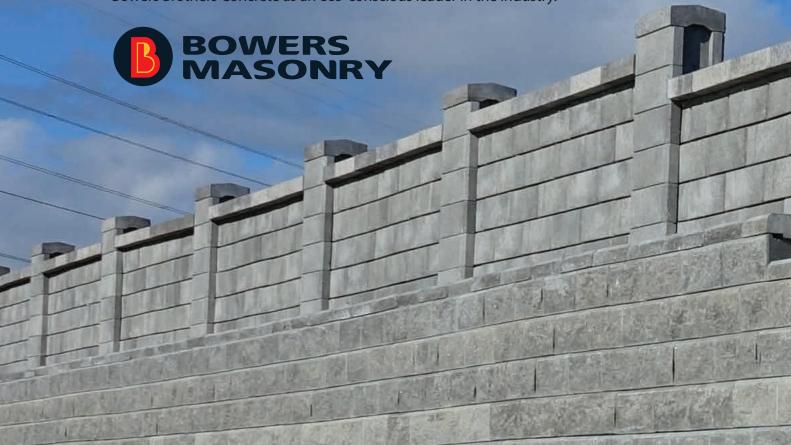
ABOUT BOWERS MASONRY

Bowers Brothers Concrete's long-standing presence in the industry and our commitment to sustainable practices is ingrained in our mission to ensure a positive future for the next generation. As a family-owned concrete manufacturing company's our history spans over 90 years, this showcases our companys dedication and expertise.

The expansion of branches throughout the Waikato and in Auckland shows a strong focus on providing concrete products to a wide customer base. Collaborations with key Building Supply Merchants across the North Island further highlight Bowers dedication to delivering quality products to our customers.

Our state-of-the-art Columbia block machines for manufacturing masonry blocks, bricks, paving, and retaining wall products showcases Bowers commitment to utilising advanced technology to produce a diverse range of high-quality concrete products.

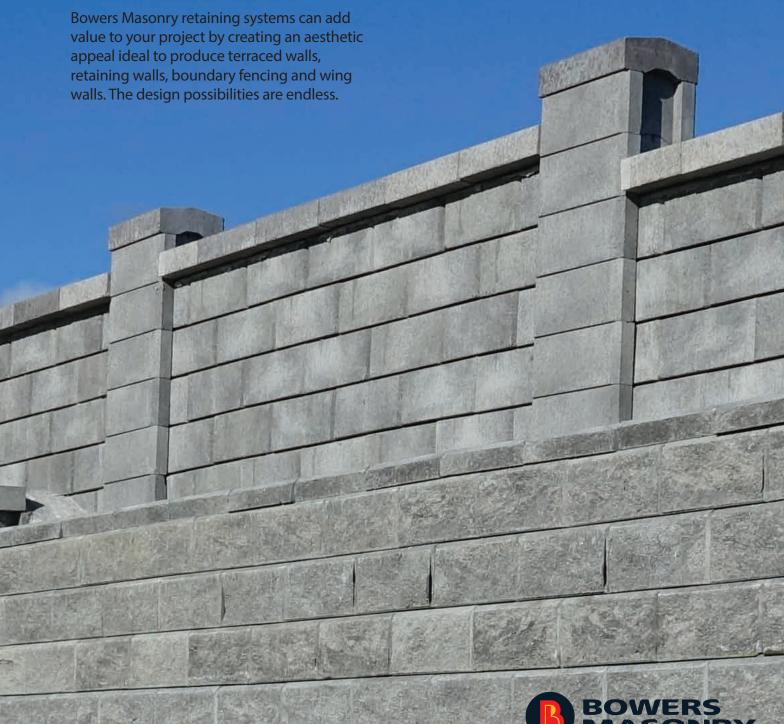
The transition of the Bowers Morrinsville Masonry Plant to solar power since January 2022 is a remarkable step toward sustainability and reducing our company's carbon footprint. This move not only showcases our commitment to environmental responsibility but also positions Bowers Brothers Concrete as an eco-conscious leader in the industry.



0800 207 374 | SALES@BOWERSBROTHERS.CO.NZ | WWW.BOWERSBROTHERS.CO.NZ

BOWERS MASONRY RETAINING WALL SYSTEMS

Proudly manufactured in New Zealand, Segmental Retaining Wall systems have become a favourite for retaining wall solutions with their attractive finish, durability and ease of installation.



MINISTONE

Ministone segmental retaining wall system offers versatile options for creating curved, straight, or terraced walls, making it a perfect choice for various

projects such as edging, garden walls, or residential retaining walls. With its small size, it provides an ideal solution for DIY enthusiasts, requiring minimal foundation preparation.

Whether you're looking to build walls vertically, concave, or convex, the Ministone system offers the flexibility to achieve your desired design, with a maximum height of up to 500mm. This adaptability allows you to create visually appealing and structurally sound walls that cater to your specific needs.

In addition to its wall-building capabilities, the Ministone segmental retaining wall system also enables the construction of functional surfaces. You can incorporate seating areas, steps, or a polished finish to your walls by simply adding cap blocks to the top of the Ministone units. This feature adds both practicality and aesthetics to your project, enhancing its overall utility and visual appeal.

COLOUR RANGE STANDARD COLOURS





ROCKSALT

IRONSANDS

MADE-TO-ORDER COLOURS

*Made to order colours and finishes are available on a minimum order quantity.



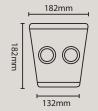
DESERT STORM

BEST FOR



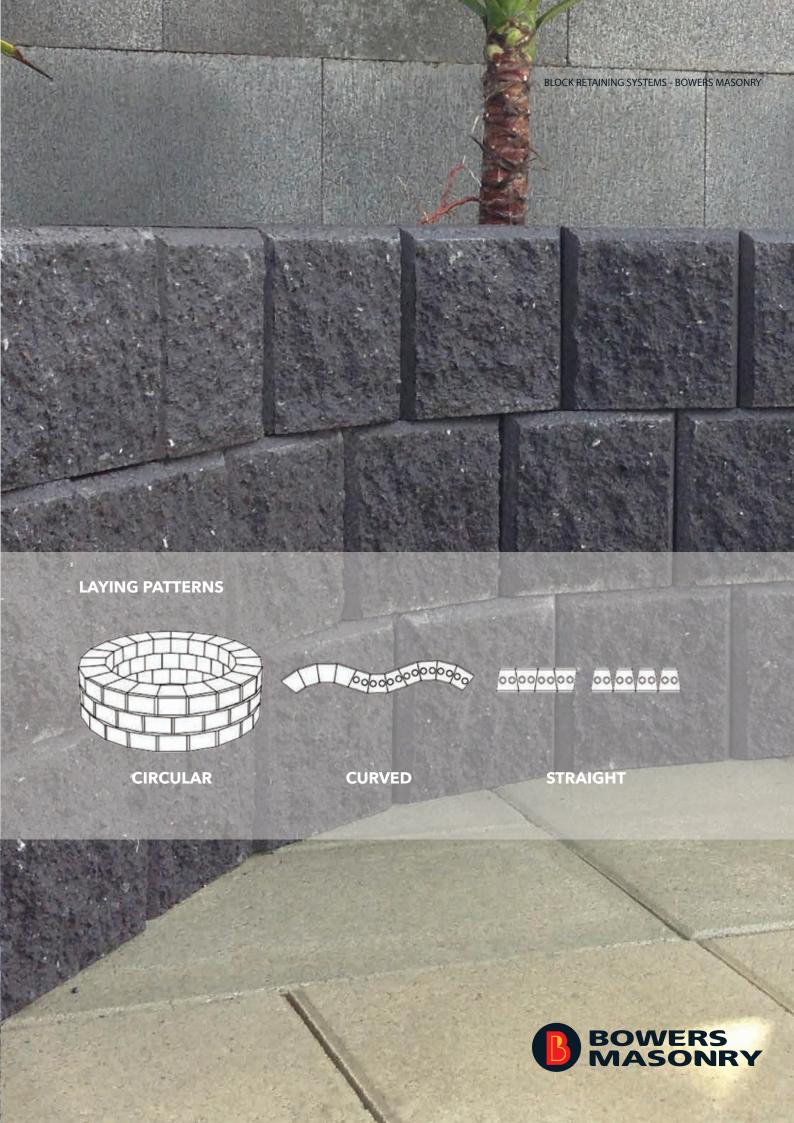
SPECIFICATIONS

Height 125mm 50 m² (solid wall) 6.37 L/m (solid wall)



NOTE: Colours shown may alter, due to the limitation of the colour printing process of this catalogue.





ALLAN BLOCK® SEGMENTAL BLOCK RETAINING SYSTEM



The Allan Block Segmental Retaining Wall, has gained significant popularity as a retaining wall solution in New Zealand over the past decade. Its success story began with the introduction of the Allan Block, and it continues to thrive today. Architects, contractors, and engineers have embraced it due to its user-friendly nature in terms of planning, design, and construction for segmental retaining walls.

Allan Block is renowned for being a hub of creativity and innovation in outdoor landscaping solutions. Its installation process is straightforward, and it boasts durability, cost-effectiveness, and notably, a visually pleasing stacked appearance that imparts a smooth and cohesive finish to every wall it constructs.

One of the stand out features of the AB Collection is its versatility in design. The blocks from this collection can be used individually, or they can be combined to craft the AB Ashlar Blend. This particular arrangement allows for patterned walls that introduce a captivating new aspect to landscape design.

Allan Block Segmental Retaining Wall, has undergone comprehensive engineering to ensure exceptional performance. It has been the first segmental retaining wall system to undergo full-scale seismic testing, thus confirming its ability to withstand seismic events and deliver high performance in challenging conditions. This underscores the commitment to both functionality and safety that the AB Collection offers.

In essence, the AB Collection, spearheaded by the Allan Block, has emerged as a top choice for those seeking effective, visually appealing, and durable solutions for their retaining wall needs. Its consistent evolution, adaptability in design, and emphasis on engineering excellence make it a reliable option for a range of outdoor landscaping projects.

COLOUR RANGE STANDARD COLOURS





ROCKSALT

IRONSAND

MADE-TO-ORDER COLOURS

*Made to order colours and finishes are available on a minimum order quantity. Please talk to your local Bowers representative for more information.

Rock Salt is a mixed blend of Natural and Ironsands.

BEST FOR

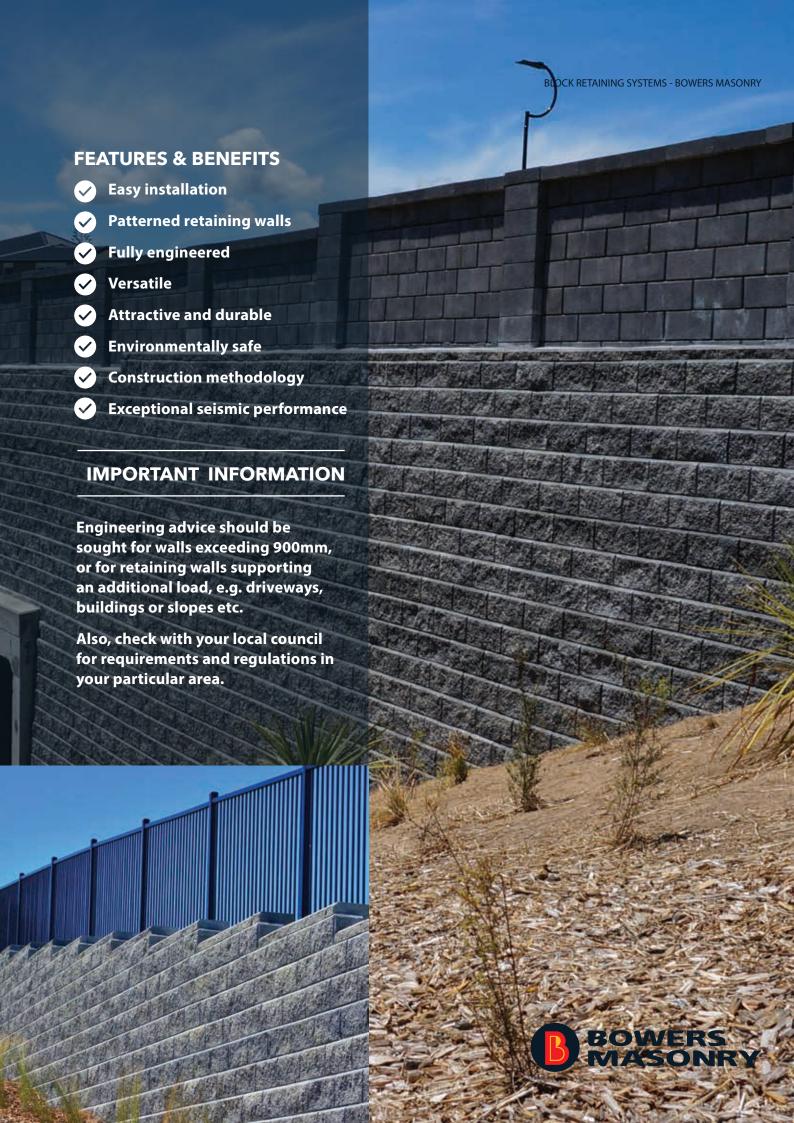


Residential



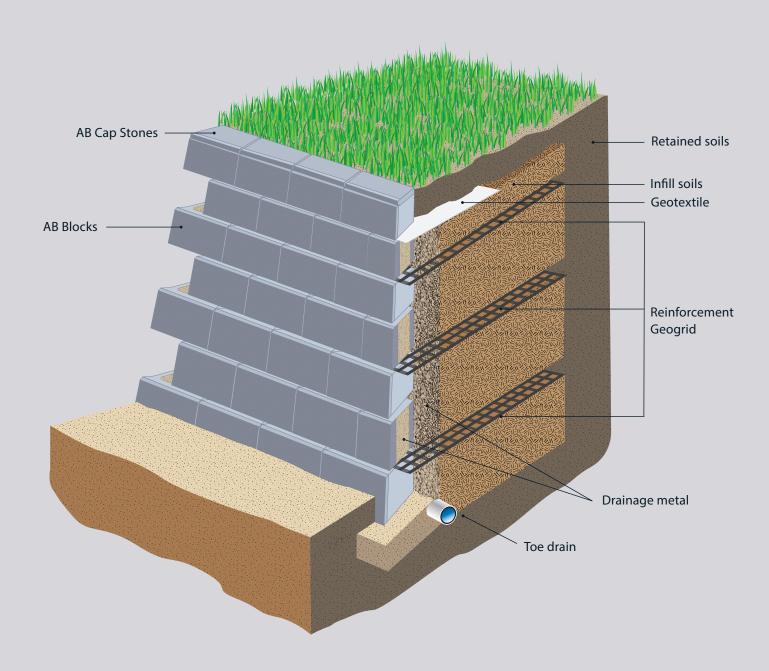
Commercial

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INSTALLATION LAYERS

ALLAN BLOCK® RETAINING WALL



Allan Block® is a registered trademark of Allan Block Corporation registered in the United States.

ALLAN BLOCK®

COLLECTION















The patented Allan Block system is easy to lay, durable, cost effective and best of all, looks great. Bowers Brothers is proud to bring these products to the New Zealand market with local manufacturing and international support.

ALLAN BLOCK

Due to natural variations in aggregates, sizing and weights may vary from batch to batch. Please accept this table as an approximate guide.

PRODUCT	SIZE (L x W x H)	AREA	BLOCKS	SETBACK	WEIGHT
	(mm)	(m²)	(per pallet)	(from vertical)	(Kg)
AB Classic	435 x 300 x 200	11.5 blocks	40	6°	32.5
AB Cap Stone	433 x 260 x 100	2.3 blocks/lm	72	N/A	22.5
AB End/Corner Block	400 x 200 x 200	12.5 blocks	60	6°	28
AB Vertical	435 x 300 x 200	11.5 blocks	40	3°	32.5
AB Junior	216 x 240 x 200	23.15 blocks	100	6°	15
AB Junior Lite	216 x 240 x 100	46.3 blocks	200	6°	8
AB Lite Stone	435 x 300 x 100	23 blocks	80	6°	16

Allan Block® and AB Ashlar Blend™ are registered trademarks of Allan Block Corporation registered in the United States.



AB® ASHLAR BLEND

PATTERNED RETAINING WALL SYSTEM



Creating patterned walls with AB® Ashlar Blend blocks is a great way to enhance your landscape's beauty and functionality. These blocks offer a balance of style and performance, making them suitable for a wide range of applications. AB® Ashlar Blend is achieved by combining four block shapes from The AB Collection – AB Classic, AB Jumbo Junior, AB Lite Stones, and AB Junior Lite. These different block shapes allow you to create visually appealing patterns and textures in your walls. These patterned walls mimic the appearance of hand-laid stone walls, adding a dramatic and visually appealing dimension to your landscape. The AB Ashlar Collection offers an elegant and classic look that can enhance any outdoor space.

The blocks in the AB Collection are designed to be sturdy and long-lasting. They are meant to fit together easily without the need for mortar or footings, making installation straightforward. The AB Collection can be used in both residential and commercial settings. Whether you're building a garden wall or creating a retaining wall to provide more space in your yard, these blocks offer versatility in design and function.

It's crucial to consider safety and engineering aspects when building walls, especially if they exceed 900mm in height or support additional loads like driveways, buildings, or slopes. Seeking engineering advice in such cases is highly recommended to ensure the walls stability and safety.

COLOUR RANGE STANDARD COLOURS





ROCKSALT

IRONSAND

MADE-TO-ORDER COLOURS

*Made to order colours and finishes are available on a minimum order quantity. Please talk to your local Bowers representative for more information.

Rock Salt is a mixed blend of Natural and Ironsands.

BEST FOR



Residential



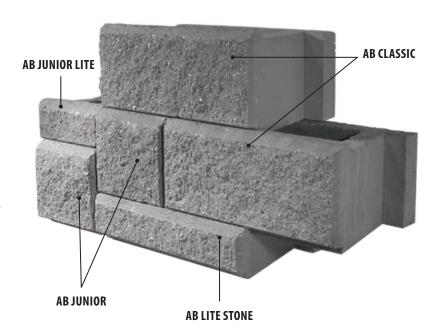
Commercial

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AB® ASHLAR BLEND COLLECTION

With the combination these four blocks create stunning patterned retaining walls that resemble the aesthetic beauty of hand laid stone.











The patented Allan Block system is easy to lay, durable, cost effective and best of all, looks great. Bowers Brothers is proud to bring these products to the New Zealand market with local manufacturing and international support.

AB® ASHLAR BLEND

Due to natural variations in aggregates, sizing and weights may vary from batch to batch. Please accept this table as an approximate guide.

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AB Junior Lite	216 x 240 x 100	46.3 blocks	200	6°	8
AB Lite Stone	435 x 300 x 100	23 blocks	80	6°	16

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ALLAN BLOCK® CONTRACTOR TRAINING

ALLAN BLOCK® 3D MODELING TOOL

AB Contractors Build More Retaining Walls Training & Get More Jobs

The Allan Block Contractor Program is designed to give contractors the proper training and tools to ensure top quality retaining walls are built. As a leader in the industry, Allan Block Corporation has developed these tools and training programs to help contractors get the knowledge and the resources they need.

For more information on Allan Block installation, estimating tools and design software visit www.allanblock.co.nz or contact a Bowers representative on 0800-207-374.

With technology growing ever more powerful, customers have come to expect more from design professionals and their tools. Project drawings created by hand are a thing of the past; being replaced with computer aided designs. Allan Block is taking the opportunity to take our existing estimating and design tools and extending their reach into three dimensional project drawings.

Now available using the AB Walls Design Software and the AB Retaining Wall Design App!



allanblock.com

FOR MORE INFORMATION

Our experienced team at Bowers Masonry are here to help, contact us to learn more:



0800 207 374



sales@bowersbrothers.co.nz



B BOWERS MASONRY

ROCKLOK® SEGMENTAL BLOCK RETAINING SYSTEM

Rocklok® Segmental Retaining Wall system, proudly developed in New Zealand, has gained popularity among retaining wall contractors and landscapers for its unique features and benefits. One of its stand out characteristics is its near vertical setback, which refers to the angle at which the wall inclines backward. This design contributes to the system's visually appealing finish.



The Rocklok system is known for its structural integrity and durability. It features a pin-block connection that is exceptionally robust, leading to superior wall performance. This connection mechanism ensures that the individual segments of the retaining wall interlock effectively, enhancing stability and load-bearing capacity.

One of the notable features of Rocklok® is its versatility in terms of reinforcement options. It can be mechanically connected with High-Density Polyethylene (HDPE) geogrids. The system has been tested in conjunction with steel ladders, especially in scenarios requiring inextensible reinforcement, such as bridge abutments. This demonstrates the system's adaptability to diverse engineering requirements.

The positive connection established by the Rocklok® system offers added performance benefits, particularly in situations involving critical loads and seismic conditions. This is crucial for projects located in areas prone to earthquakes or other ground-related disturbances.

COLOUR RANGESTANDARD COLOURS





ROCKSALT

IRONSAND

MADE-TO-ORDER COLOURS

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Rock Salt is a mixed blend of Natural and Ironsands.

BEST FOR

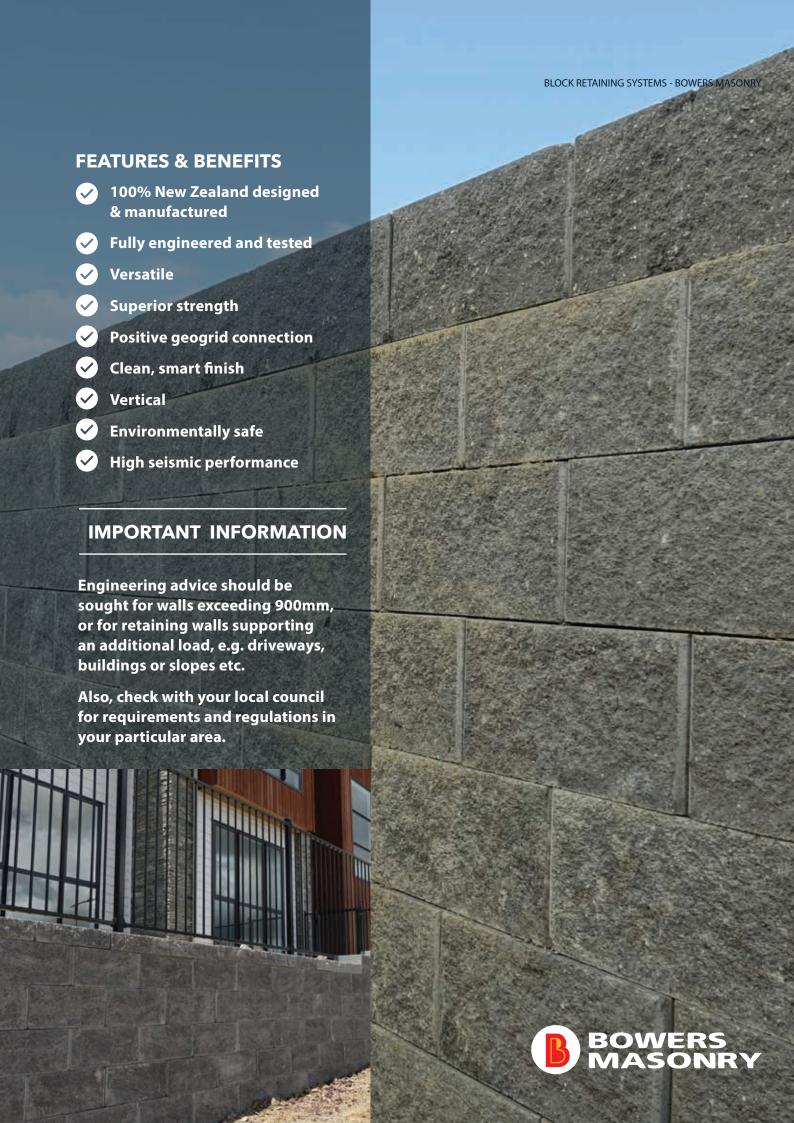


✓ Residential



Commercial

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ROCKLOK® COLLECTION







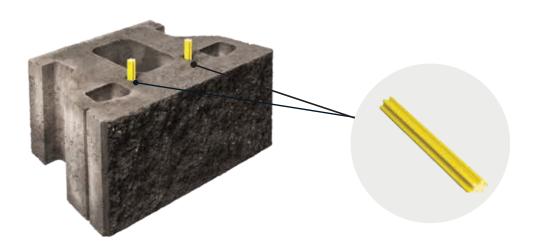


ROCKLOK FIBREGLASS PIN

Rocklok Fiberglass Pins*

Dimension: 135mm L x 16mm diameter Box: 40 pins per box

Each Rocklok block requires two Rocklok fibreglass pins, except top layer before Rocklok Cap is placed.

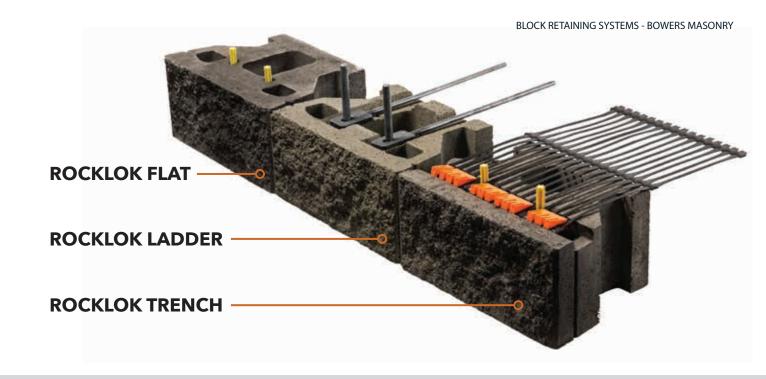


ROCKLOK®

Due to natural variations in aggregates, sizing and weights may vary from batch to batch. Please accept this table as an approximate guide.

PRODUCT	SIZE (L x D x H)	AREA	BLOCKS	SETBACK	WEIGHT
Rocklok Flat	450 x 300 x 200	11.1 blocks	40	1°	39.5
Rocklok Corner	450 x 225 x 200	N/A	40	N/A	38
Rocklok Cap	450 x 300 x 100	2.2 blocks/lm	72	N/A	27.5

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THE ROCKLOK ADVANTAGE

- Strongest pin-block connection
- Superior compressive strength
- Biggest pin diameter & shear strength
- Increased in safety factor & design life
- Hot dipped galvanised steel ladder soil reinforcement
- Innovative connections between block grid

SUITABLE FOR

- Tall Retaining walls
- Bridge abutments
- Steel ladder reinforced soil retaining structures
- Terraced walls
- Landscape walls
- Water applications



VERTI-BLOCK RETAINING WALL SYSTEM



When you need a solution for retaining walls and other landscape projects, nothing stacks up quite like Verti-Block. Unique in size, shape, and flexibility of use, Verti-Block is an ideal solution for residential and commercial projects alike.

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. Experienced installers know that too much crushed stone wastes money - too little can build hydrostatic pressure and cause the retaining wall to fail.

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 transportation 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 means no over-or under-excavating because no additional crushed stone backfill is required. Contractors will appreciate the affordability and value of Verti-Block. Add that to the right look and right strength of this unique product, and you'll know Verti-Block is the right solution for a great landscape installation.

A LOOK LIKE NO OTHER

Beyond its structural purpose, Verti-Block is a favourite of property owners for its beautiful rock work look. Verti-Block showcases a 130mm depth of relief, hiding joints, and making a finished wall appear more like stacked stone. Plus, Verti-Block is easily stained to complement its surroundings with a beautiful, weather and UV-resistant finish.

FEATURES & BENEFITS

- Hollow, interlocking blocks
 - Sized for residential and
- commercial use
- Innovative engineering for
- unparalleled strength
- Easy installation with smaller equipment
- A beautiful, cost-effective
- earth retaining solution
- ✓ Convex and concave walls
- Geogrid connection

IMPORTANT INFORMATION

Engineering advice should be sought for walls exceeding 1,500mm, or for retaining walls supporting an additional load, e.g. driveways, buildings or slopes etc.

Also, check with your local council for requirements and regulations in your particular area.



Half Step Top Block for step down applications.



VERTI-BLOCK

COLLECTION





590kg







1.2m W x 610mm H x 910mm D









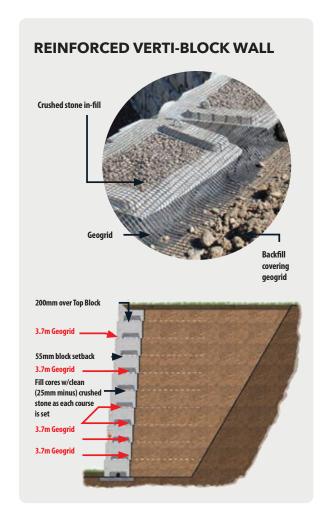
VERTI-BLOCK UNITS

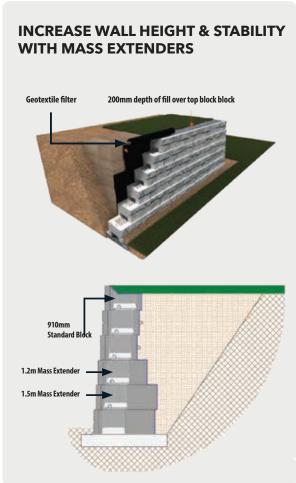
Recognised worldwide for outstanding aesthetics and a patented system that produces top-quality construction materials, Verti-Block continues to help contractors, developers, and property owners with smart pre-cast solutions.

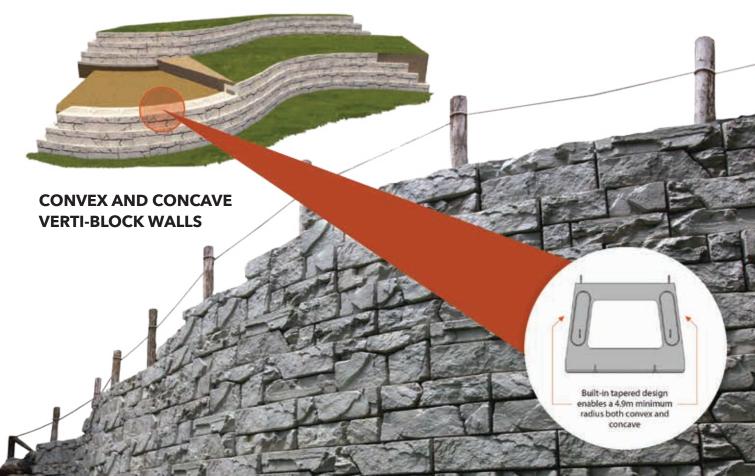
Bowers Masonry is New Zealand's local, licensed Verti-Block manufacturer.

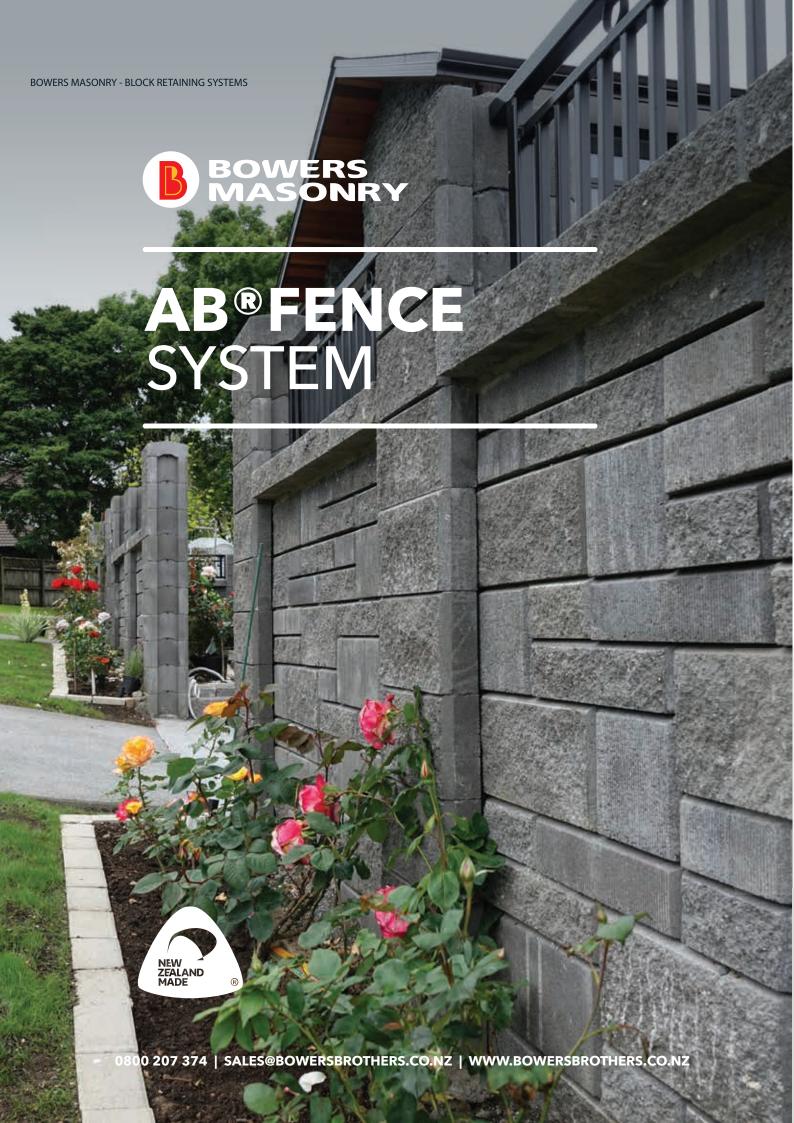
Please contact: Geofabrics for a quote or additional information on your next retaining wall project.

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AB® FENCE

MODULAR CONCRETE FENCE

The AB Fence is a mortar-less concrete fence system known for its ease of installation, durability, and versatility. This fence system utilises interlocking blocks that do not require mortar for assembly, this not only speeds up the installation process but also eliminates the need for ongoing maintenance.

The AB Fence is effective at reducing sound, making it a suitable choice for properties located near noisy roads, industrial areas, or other sources of unwanted noise. The fence design offers privacy, blocking the view from outside and creating a more secluded outdoor space. Beyond its functional benefits, the AB Fence offers an attractive architectural look that can enhance the aesthetic appeal of your property. The system allows for the creation of posts and panel sections that are versatile and can be adjusted to accommodate curves, corners, and changes in grade, giving you flexibility in fence design.

The AB Fence system allows for the incorporation of different coloured or textured blocks, as well as various shaped units, to create unique and visually appealing fence patterns. The clean and crisp architectural look of the AB Fence makes it a preferred choice for those seeking a modern and stylish fence solution. This system offers a range of benefits that make it an excellent choice for property owners looking for an attractive, functional, and durable concrete fence system that can cater to various design preferences and practical needs.

COLOUR RANGE STANDARD COLOURS





Rock Salt is a mixed blend of Natural and Ironsands.

ROCKSALT

IRONSAND

MADE-TO-ORDER COLOURS

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BEST FOR



Residential



Commercial

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DESIGN WITH AB® FENCE WHERE TO BEGIN?

The first things to consider when designing an AB Fence is what is the desired maximum height and what are the wind pressures that the fence needs to resist. The resulting design will provide the maximum post spacing for the project. Once the maximum post spacing is determined, it can be used to optimise the plan layout provided by the site designer.

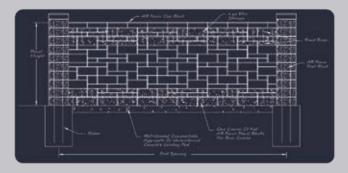
The strength of the AB Fence system is its ability to resist wind loads. These wind loads are determined based on the average wind speeds in the project area and the exposure characteristics of the surrounding area. Average wind speeds will depend on where the project is and what the local weather conditions are.

TYPICAL AB® FENCE SECTION



AB® ASHLAR BLEND® PATTERNED FENCE

PATTERNED BOND BEAM CONSTRUCTION



AB® FENCE

COLLECTION

Allan Block® and AB Ashlar Blend™ are registered trademarks of Allan Block Corporation registered in the United States.



The three main structural components are the AB Fence Post Block, the AB Fence Panel Block and the AB Fence Cap Block. The AB Fence Lite Panel and AB Fence Half Panel Blocks can be used along with the AB Fence Panel Block to create Ashlar Blend patterned panels. Together they provide the ability to design and create a fence that meets the requirements of each individual project.

MAIN COMPONENTS







COMPONENTS FOR PATTERNED WALLS + CORNERS









AB® FENCE

Due to natural variations in aggregates, sizing and weights may vary from batch to batch. Please accept this table as an approximate guide.

PRODUCT	SIZE (L x W x H)	WEIGHT	
	(mm)	(Kg)	
AB Fence Post Block	450 x 305 x 200	32Kg	
AB Fence Panel Block	450 x 150 x 200	21Kg	
AB Fence Cap Block	450 x 305 x 130	30Kg	
AB Fence Corner Block	300 x 300 x 200	25Kg	

PRODUCT	SIZE (L x W x H)	WEIGHT	
	(mm)	(Kg)	
AB Fence Lite Panel Block	450 x 150 x 100	10Kg	
AB Fence Half Lite Panel Block	225 x 150 x 100	5Kg	
AB Fence Half Block	225 x 150 x 200	10Kg	



RESIDENTIAL / COMMERCIAL RETAINING SPECIFICATIONS

TECHNICAL ADVICE & SUPPORT

Bowers Brothers provides technical support for those constructing retaining walls using Allan Block or Rocklok* systems. One of our retaining wall engineers will provide specifications for your project. We can supply preliminary technical drawings for your project, which you can hand over to your engineer for sign-off. We also have software to assist with designs.

AB® FENCE COLLECTION





POST BLOCK

450 x 305 x 200mm 32kg

PANEL BLOCK

450 x 150 x 200mm 21kg





LITE PANEL BLOCK

450 x 150 x 100mm 10kg

HALF PANEL BLOCK

225 x 150 x 200mm 10kg





HALF LITE PANEL BLOCK

225 x 150 x 100mm 5kg



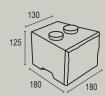
CAP BLOCK

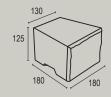
450 x 305 x 130mm 30kg

CORNER BLOCK

300 x 300 x 200mm 25kg

MINISTONE® COLLECTION





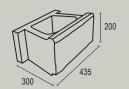
MINISTONE BLOCK

Height 125mm 50 units/m²

MINISTONE CAP

Height 125mm 6.37 units/lm

ALLANBLOCK® COLLECTION

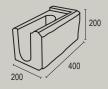


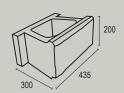


AB CLASSIC

435 x 300 x 200mm 32.5kg





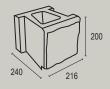


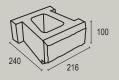
AB END /CORNER

400 x 200 x 200mm 28kg

AB VERTICAL

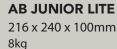
435 x 300 x 200mm 32.5kg

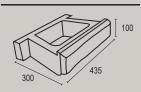




AB JUNIOR

216 x 240 x 200mm 15kg

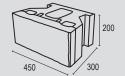




AB LITE STONE

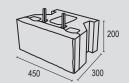
435 x 300 x 100mm 16kg

ROCKLOK® COLLECTION



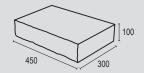
ROCKLOK FLAT

450 x 300 x 200mm 39.5kg



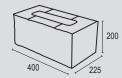
ROCKLOK TRENCH

450 x 300 x 200mm 38kg



ROCKLOK CAP

450 x 300 x 100mm 27.5kg



ROCKLOK CORNER

400 x 225 x 200mm 38kg



FIBREGLASS PINS*

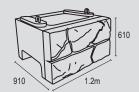
135 x 16mm 40 pins/box

ROCKLOK FIBERGLASS PINS*

Dimension: 135mm L x 16mm diameter Box: 40 pins per box. Each Rocklok block requires two Rocklok fibreglass pins, except top layer before Rocklok Cap is placed.

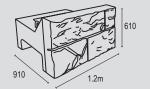


VERTI-BLOCK® COLLECTION



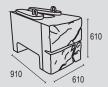
STANDARD BLOCK

1.2m x 610mm x 910mm 790kg



TOP BLOCK

1.2m x 610mm x 910mm 590kg



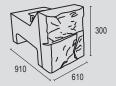
HALF BLOCK

610mm x 610mm x 910mm 480kg



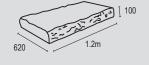
HALF STEP BLOCK

1.2m x 305mm x 910mm 440kg



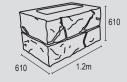
TOP HALF BLOCK

610mm x 300mm x 910mm 166kg



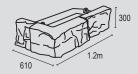
CAPPING BLOCK

1.2m x 100mm x 620mm 158kg



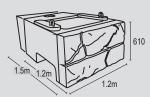
CORNER BLOCK

1.2m x 610mm x 610mm 720kg



CORNER TOP BLOCK

1.2m x 100mm x 620mm 311kg



MASS EXTENDER BLOCK

1.2m x 610mm x 1.2m 1,210kg

MASS EXTENDER BLOCK

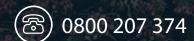
1.2m x 610mm x 1.5m 1,590kg

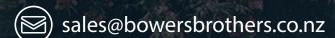


TECHNICAL ADVICE & SUPPORT

Bowers Brothers provides technical support for those constructing retaining walls using Allan Block or Rocklok® systems. One of our retaining wall engineers will provide specifications for your project. We can supply preliminary technical drawings for your project, which you can hand over to your engineer for sign-off. We also have software to assist with designs.









Bowers Brothers Concrete Ltd 51 Lorne Street, Morrinsville, New Zealand 3300

NZ MADE MASONRY Blocks | Bricks | Paving | Retaining

