



BOWERS

BROTHERS CONCRETE

Est 1930

THE CONCRETE SPECIALISTS

MASONRY, REDI-MIX & PRECAST PRODUCT CATALOGUE

RESIDENTIAL & COMMERCIAL

VERSION 3 | WWW.BOWERSBROTHERS.CO.NZ



WE'RE MORE THAN JUST A CONCRETE COMPANY..

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.





 **masterspec partner**



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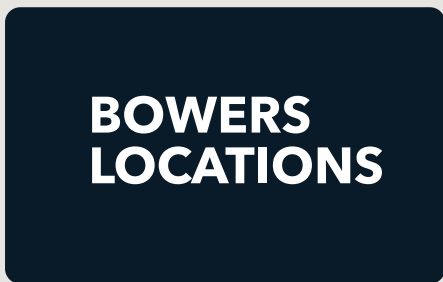
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**MORRINSVILLE
REDI-MIX PLANT**
51 Lorne Street
BATCHER 021 246 2599

 **0800 207 374**

**MORRINSVILLE
MASONRY PLANT**
173 Avenue Road North

 **0800 207 374**

**HOROTIU
MASONRY PLANT**
6214 Great South Road

 **0800 207 374**

**PUTARURU
REDI-MIX PLANT**
7 Market Place
BATCHER 021 994 259

 **0800 207 374**

**HAMILTON
REDI-MIX PLANT**
52 Foreman Road
BATCHER 021 246 2588

 **0800 207 374**

**MATAMATA
REDI-MIX PLANT**
Garland Street
BATCHER 021 961 411

 **0800 207 374**


**PAEROA CONCRETE
REDI-MIX PLANT**
16 Grey Street
BATCHER 027 487 9906

 **0800 207 374**

**BOWERS WHITIANGA
REDI-MIX PLANT**
29C Moewai Road
BATCHER 021 961 411

 **07 866 0623**

**AUCKLAND MASONRY
DISTRIBUTION**
354 Puhinui Road, Wiri

 **0800 207 374**

**RIVERHEAD
REDI-MIX PLANT**
23 Sawmill Road
BATCHER 021 724 315

 **0800 207 374**

FOR MORE INFORMATION

 **0800 207 374**

 **sales@bowersbrothers.co.nz**

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CUSTOMER SUPPORT

Bowers Brothers' is committed to project success, continuous improvement, and we have a strong dedication to sustainability. With over 90 years of experience in manufacturing concrete, we have earned the reputation as "The Concrete Experts."

Bowers Brothers is dedicated to ensuring the success of both small and large projects. Our team is experienced and available to provide ongoing support throughout the project process.

Bowers Brothers is constantly working on improving processes and refining product quality to deliver world-class products. We have both in-house and field sales teams ready to offer advice, support, and solutions to meet project requirements.

We are dedicated to sustainability and invest in research to deliver effective outcomes while exploring cost-saving options for our customers' projects.



SUSTAINABILITY

OUR FOCUS ON THE ENVIRONMENT

Bowers Brothers is committed to Concrete NZ's vision of creating a sustainable and environmentally responsible concrete industry by 2030. The outlined strategies align well with the goals of reducing the global warming potential of concrete production and making the industry more socially responsible.

- Create efficient renewable energy sources for manufacturing processes
- Improve recycling processes to minimise the use of materials
- Support the Concrete NZ vision
- Adopt new technologies where appropriate
- Research and develop Supplementary Cementitious Materials

By combining these strategies, Bowers Brothers will contribute to reducing the global warming potential of the concrete industry while also aligning with the principles of sustainability and social responsibility.



Create efficient renewable energy sources for manufacturing processes



Improve recycling processes to minimise the use of materials



Support the Concrete NZ vision



Adopt new technologies where appropriate

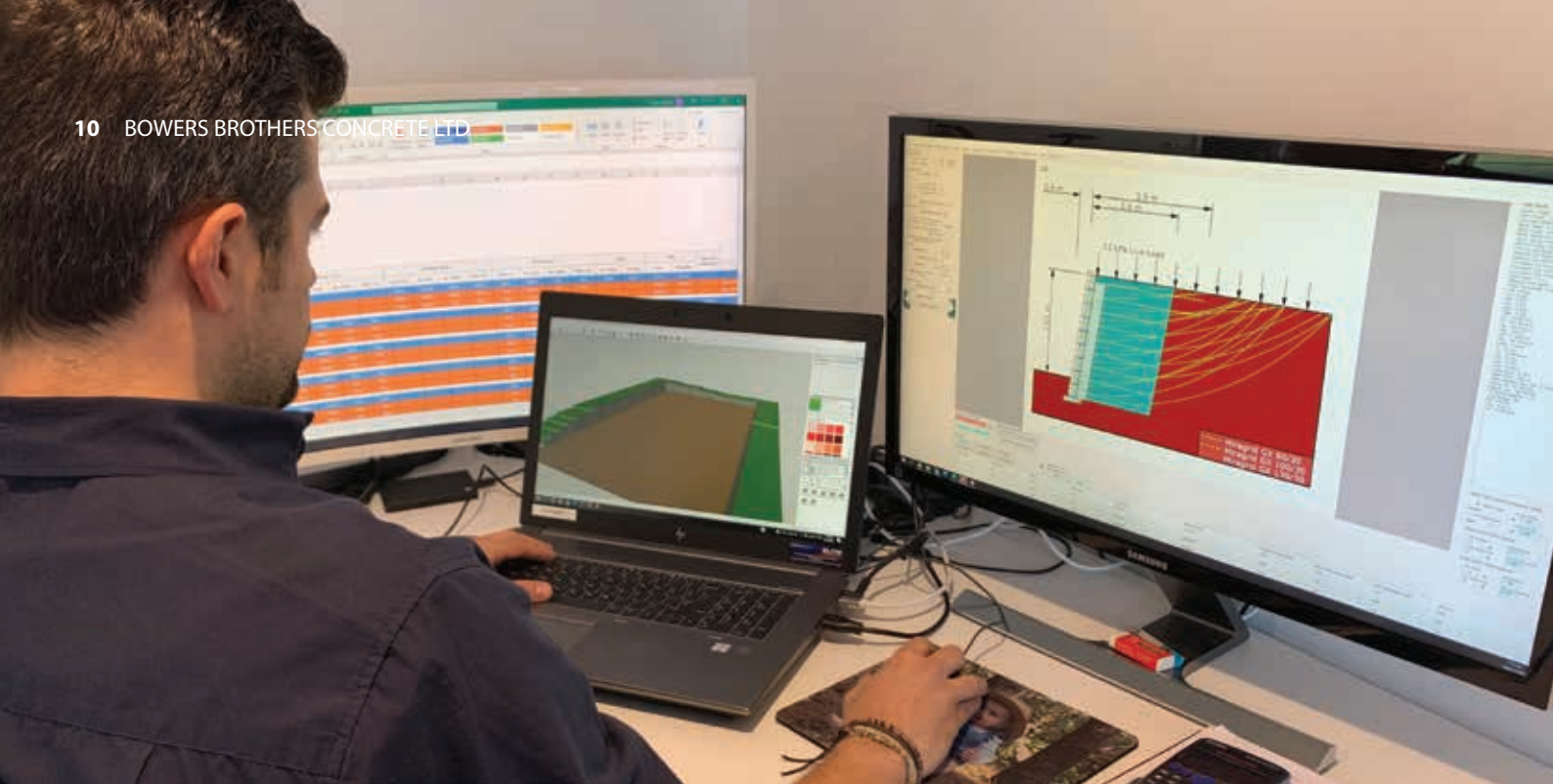


Research and develop Supplementary Cementitious Materials (SCMs)



BOWERS BROTHERS CONCRETE
 THE MASONRY / REDI-MIX / PRECAST CONCRETE SPECIALISTS
 0800 207 374 | sales@bowersbrothers.co.nz | www.bowersbrothers.co.nz





TECHNICAL DESIGN + SUPPORT

RETAINING, PAVING + AB® FENCE CONSTRUCTION

Bowers Brothers Concrete's have an invested commitment to customer service and the range of support and services we offer. Our dedication to going the extra mile and ensuring customer needs and expectations are exceeded what sets us above our competition. Our technical team's availability from start to finish and the variety of services we provide demonstrates our strong commitment to customer satisfaction. The support and services Bowers offer cover a wide spectrum of needs, from preliminary designs and CAD drawings to on-site support and

Support and services that we provide are:

- Preliminary retaining wall designs
- Project specific CAD drawings and notes
- Project specific SketchUp 3D designs
- Project specific technical advice and recommendations
- On-site support and inspections
- Engineering best practice presentations
- AB Wall software tutorials
- Dealers/Merchants training

training for contractors. It's clear that you aim to provide comprehensive assistance to your customers throughout their projects.

Having international support from Allan Block Corporation with their extensive expertise adds an extra layer of credibility to Bowers services. It shows our unwavering responsibility to leveraging the knowledge and experience of a reputable partner to provide the best possible support to your clients.

- Certification and training for contractors
- Construction methodology
- Material estimate

Our dedication to helping people and comprehensive range of services make Bowers Brothers Concrete a reliable choice for anyone in need of concrete and retaining wall solutions.



TECHNICAL SEMINARS + RETAINING TRAINING

Bowers Technical Seminars & Training offer valuable opportunities for individuals in the block retaining industry.

Complimentary Industry Training: These sessions are provided free of charge, making them accessible to professionals and contractors interested in expanding their knowledge in the field of block retaining.

Industry Developments: Attendees will have the chance to stay updated on the latest developments within the block retaining industry. This is essential for staying competitive and informed about new technologies, materials, and techniques.

Networking Opportunities: Networking is a crucial aspect of professional growth. These sessions provide a platform to connect with fellow contractors, exchange ideas, and build valuable relationships within the industry.

Delicious Lunch: Enjoying a good meal together can foster a relaxed and conducive learning environment. The promise of a delicious lunch makes the training sessions more enjoyable and provides an opportunity for informal discussions.

Continuing Professional Development (CPD) Hours: Many professionals in various industries are required to earn CPD hours to maintain their licenses or

certifications. These training sessions offer a chance to accumulate CPD hours while learning and networking.

Focus on Key Topics: The training sessions are designed to cover critical topics within the block retaining industry, including retaining systems, local regulations, and installation failures. This targeted approach ensures that attendees gain relevant and practical knowledge.

Engineered Design Benefits: The sessions also emphasize how specific engineered design can benefit your projects. This knowledge can help contractors and professionals make informed decisions, reduce risks, and enhance the quality of their work.

Bowers Technical Seminars & Training provide a well-rounded learning experience for individuals in the block retaining industry. They offer access to industry updates, networking opportunities, CPD hours, and practical knowledge on key topics. These sessions can be an excellent resource for both newcomers and experienced professionals in the field.



FREIGHT + LOGISTICS

BOWERS MASONRY PRODUCTS ARE AVAILABLE NORTH ISLAND WIDE

Bowers Brothers Hiab Fleet is well-equipped to handle heavy lifting and transportation tasks in the North Island of New Zealand. The fleet consists of four 9-axle truck and trailer units, capable of carrying 10,500 kilograms when it's just the truck and 26,500 kilograms when the truck is coupled with the trailer. The fleet is versatile and capable of handling a wide range of loads.

DAILY FREIGHT*

Our Hiab Fleet run daily servicing the greater Waikato/BOP/Taupo Regions and beyond. Due to the length of our truck and trailer units the Coromandel is serviced by an alternative provider.

LONGHAUL FREIGHT*

Bowers Brothers have exceptional freight partnerships with longhaul providers to ensure our products reach all our customers North Island wide.

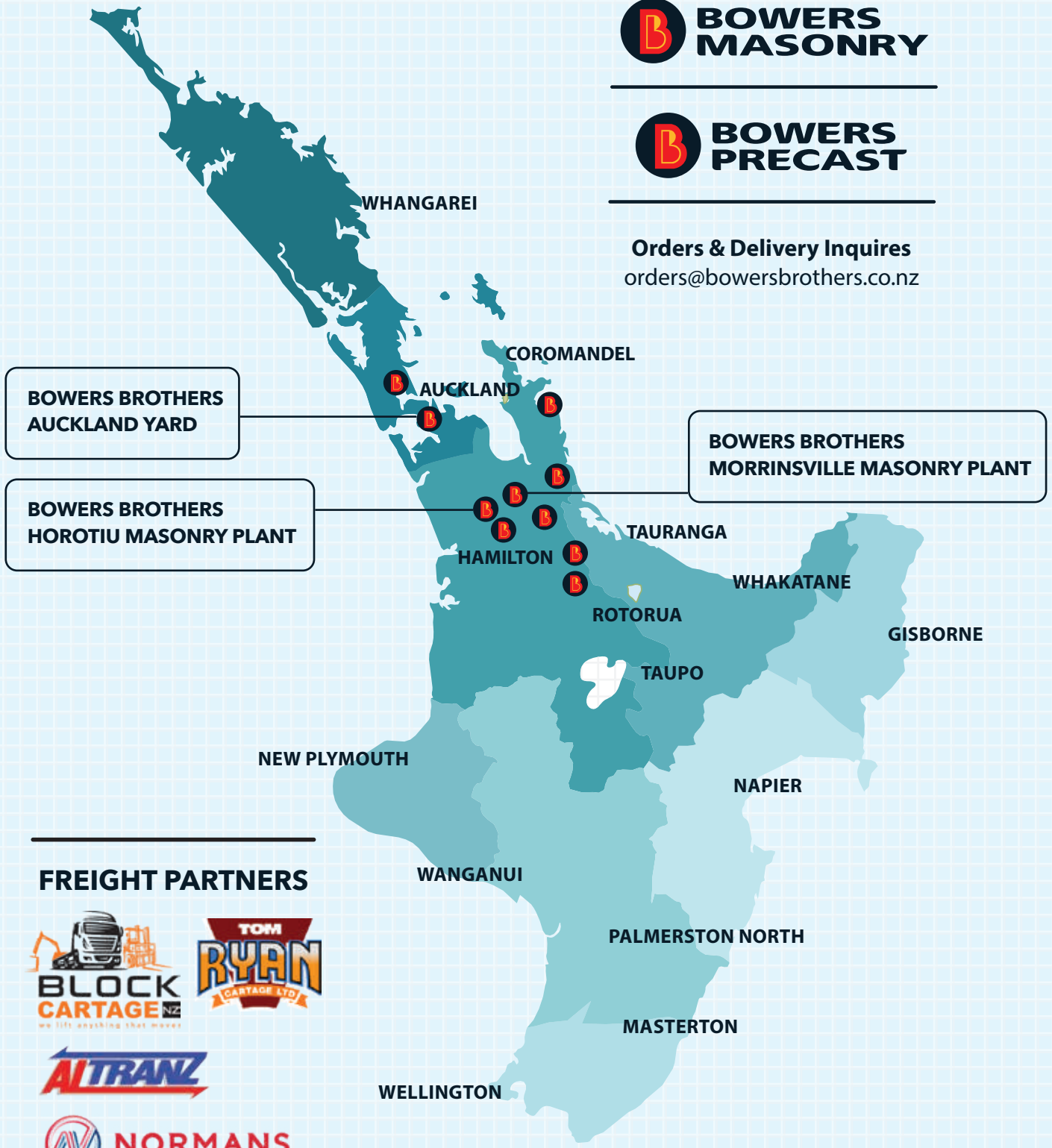
AUCKLAND FREIGHT*

Tom Ryan Cartage Ltd deliver all Bowers Masonry products Auckland wide, from North of the Bombays to North Auckland locations. Our products are conveniently located at our Wiri Yard eliminating delivery delays.

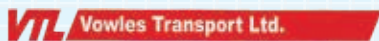
*FREIGHT Options are determined on a case by case basis. Our experienced team will consider all freight options and deliver the best cost effective solution for your project.



Orders & Delivery Inquires
orders@bowersbrothers.co.nz



FREIGHT PARTNERS





MERCHANT SUPPLY PARTNERS

Bowers Masonry products are readily available through trusted agreements with key building merchants. This convenience makes it easier for customers to access our quality masonry products.

If you have a local trade account with any merchants featured, you can effortlessly order any of our quality masonry products directly through them. Simply get in touch with your account manager to arrange for the delivery of our products right to your site.

To learn more about our products, discuss your specific needs, or inquire about the availability of our products at these merchants, please reach out to your dedicated Bowers Sales Representative. They will be happy to provide you with more information and assist you in making the best choices for your masonry needs.

Bowers Masonry are committed to providing top-quality masonry solutions and ensuring a hassle-free experience for our valued customers.

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CARTERS 

Your **Building** Partner

NZLS

**NZ LANDSCAPE
& MASONRY SUPPLIES**

PlaceMakers®



**MITRE 10
MEGA**

BUNNINGS
warehouse



BRICK VENEER RANGE

**70 & 90 SERIES
BRICK RANGE**



CERTIFIED CONCRETE

Bowers Brothers Concrete is tested and meets specific quality and performance standards, ensuring that it performs as expected in various applications. Certifications include industry-specific standards and ensures that the concrete mix meets the required specifications for the intended use.

 masterspec partner



CLASSIC BRICK

Classic Brick Veneer is an attractive choice for those looking to infuse a modern and unique aesthetic into their construction or design projects. The smaller size sets it apart from traditional brick sizes, this combination, along with its timeless design and various contemporary colours, makes it an appealing choice for construction and design projects aiming for a modern and distinctive aesthetic.

The availability of the Classic Brick Veneer in ICE colour, provides architects, designers, and builders with a versatile option to incorporate a modern touch into their projects. Bowers Classic Brick Veneer in ICE is readily available as a stock item that simplifies the procurement process and ensures that the desired materials can be easily obtained.

70 SERIES



The Classic Brick Veneer's timeless design adds a touch of elegance that can withstand changing design trends, making it suitable for a wide range of architectural styles. This combination of classic design with contemporary colour options allows for creative freedom and the ability to blend tradition with modernity.

COLOUR RANGE AVAILABLE



ICE PAINT GRADE IRONSANDS PEWTER RED

MADE-TO-ORDER COLOURS

NOTE: Midnight, Ice and Antique Cream are Premium Colours.



MIDNIGHT ANTIQUE CREAM TEA MIST

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

230mm L x 70mm W x 76mm H
48m² | 552 per pallet

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

This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.



PLATEAU BRICK

Plateau Brick Veneer offers architects and designers a flexible option for incorporating eye-catching and distinctive designs into their projects. A notable attribute of this brick veneer series is its composition of solid bricks. This characteristic makes it particularly well-suited for applications where corners and sills are needed in a construction project. The inherent sturdiness of solid bricks contributes to the longevity and structural reliability of the veneer, rendering it especially appropriate for spaces that demand heightened strength and reinforcement.

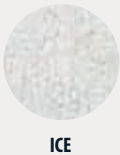
Plateau Brick Veneer in the 70 Series boasts unique dimensions that set it apart. Its availability in a range of colours enhances its

70 SERIES



versatility, enabling architects and designers to make a strong and memorable visual impact with their creations. Whether used as a defining feature or an accent, the Plateau Brick Veneer offers the potential to craft bold and attention-grabbing impressions within architectural and design endeavours.

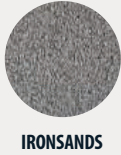
COLOUR RANGE AVAILABLE



ICE

MADE-TO-ORDER COLOURS

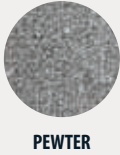
NOTE: Midnight, Ice and Antique Cream are Premium Colours.



IRONSANDS



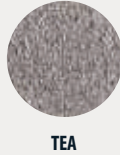
MIDNIGHT



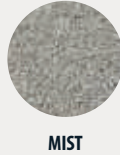
PEWTER



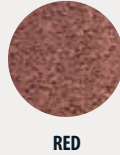
ANTIQUE CREAM



TEA



MIST



RED

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

450mm L x 70mm W x 150mm H
13.6m² | 168 per pallet

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

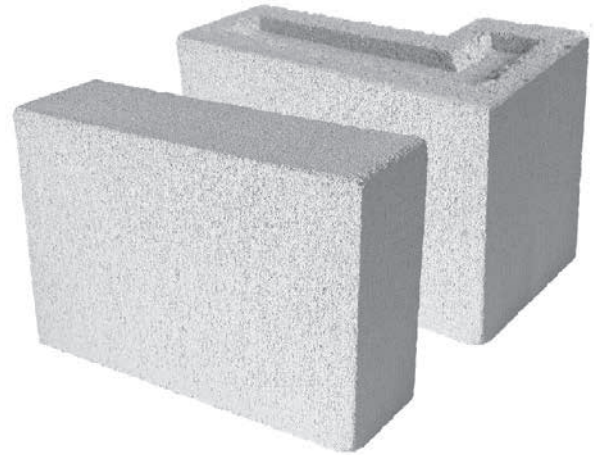
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STANDARD BRICK & STANDARD 90° CORNER BRICK

70 SERIES

Standard Brick Veneer and Standard 90° Corner Brick Veneer offer a versatile option for achieving various architectural styles and have gained popularity due to their pleasing proportions and consistent color appearance. The combination of these two veneers allows for the creation of eye-catching pillars, sharp corners, and clean cornering details.



By using the Standard Brick and Standard Corner Brick Veneer together, you're ensuring a uniform and cohesive look for the entire construction project. They are manufactured simultaneously which eliminates the risk of color variation, this can be a common concern in construction projects involving different batches of materials. The uniformity in color appearance enhances the overall aesthetic appeal of the project and provides construction professionals with a reliable and visually appealing option for their designs.

The ease of laying these veneers and the ability to adjust the laying pattern to suit both traditional and contemporary styles make them a desirable choice for various construction projects. The combination of functionality, ease of use, and aesthetic appeal makes these brick veneers an attractive option for construction professionals and homeowners alike.

COLOUR RANGE

STANDARD COLOURS



IRONSANDS

PEWTER

TEA

MIST

RED

PREMIUM COLOURS



ICE

MIDNIGHT

ANTIQUE CREAM

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

220mm L x 70mm W x 150mm H
27.2m² | 336 per pallet

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

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FOVEAUX BRICK

The Foveaux Brick Veneer is a versatile and aesthetically pleasing option for various architectural and design projects. Its modern and attractive design allows for multiple laying possibilities, including as a feature wall, soldier course, or solid cladding.

These different laying styles provide flexibility in creating unique and visually striking designs that can suit different architectural styles and preferences. The 90 Series dimensions are well-established and widely used, contributing to the brick's enduring and timeless appeal.

90 SERIES



The Foveaux Brick Veneer is also made with solid bricks, making it well-suited for use as corners and sills. This ensures that it can provide the necessary strength and stability required for such critical areas in a construction project.

MADE-TO-ORDER COLOURS STANDARD COLOURS



IRONSANDS

PEWTER

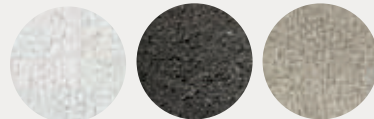
TEA

MIST

RED

PREMIUM COLOURS

NOTE: Midnight, Ice and Antique Cream are Premium Colours.



ICE

MIDNIGHT

ANTIQUE CREAM

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

390mm L x 90mm W x 90mm H
25m² | 300 per pallet

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90 SERIES

CADRONA BRICK

Cadrona Brick Veneer offers a range of advantages for professionals in the architecture, design, and construction fields. Its versatility, attractive colour options, and solid construction make it a highly appealing choice for various projects that aim for both visual appeal and long-lasting durability.

The 90 Series Cadrona Brick Veneer is designed with flexibility in mind, having the same proportions as a 10 Series Masonry Block. This design choice allows architects and designers to integrate the veneer seamlessly into projects that might involve both brick veneer and masonry block elements, maintaining a consistent aesthetic throughout.



This brick veneer is a stock item in Bowers Midnight, this is a particularly elegant and sophisticated colour choice. This colour not only adds visual appeal but also a sense of refinement to the construction projects it's used in.

COLOUR RANGE AVAILABLE



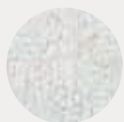
MIDNIGHT

MADE-TO-ORDER COLOURS

NOTE: Midnight, Ice and Antique Cream are Premium Colours.



IRONSANDS



ICE



PEWTER



ANTIQUE CREAM



TEA



MIST



RED

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

390mm L x 90mm W x 190mm H
12.5m² | 150 per pallet

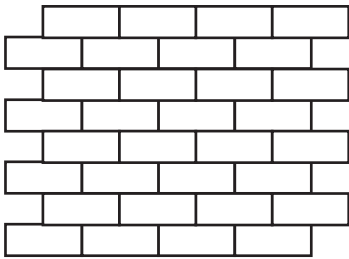
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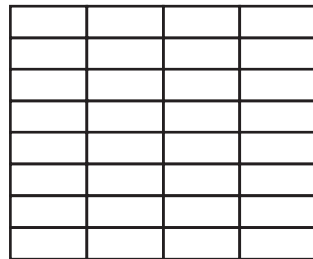
LAYING PATTERNS

The laying pattern of brick veneer can significantly impact the aesthetic appearance of a home. Laying patterns have their own unique visual appeal and can be used to achieve different design objectives. The choice between them often depends on the overall style and aesthetic goals of the home, as well as personal preferences.



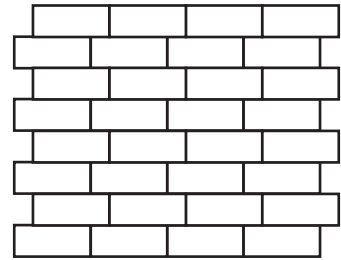
RUNNING BOND

Running bond is one of the most traditional and commonly used brick laying patterns. In a running bond pattern, bricks are laid in rows, with each brick in a row offset by half its length compared to the brick in the previous row.



STACK BOND

Stack bond is a more modern and contemporary laying pattern that has gained popularity in recent years. In a stack bond pattern, bricks are laid directly on top of each other in vertical columns, with all the vertical joints aligning.



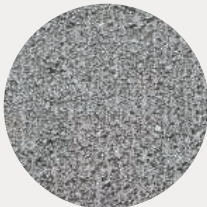
THREE QUARTER RUNNING BOND

Three-quarter running bond achieved by using plateau bricks in conjunction with standard brick corners. In this pattern, three-quarters of each plateau brick's length is visible on the exterior face of the wall, while one-quarter is hidden behind the corner brick.

BRICK VENEER FINISHES

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FAIR FACED

Smooth natural surface.



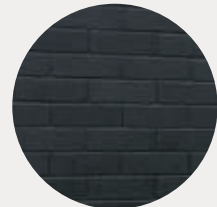
SHOT BLASTED

Made to order product by Bowers. A rough exposed face to the product.



HONED

Polished brick. Honed on-site by a reputable contractor.



PAINTED

Fair-faced brick, laid and mortared and then painted on-site by a reputable contractor.

**Standard Brick
Stack Bond
Colour: Ice
Shot Blasted**



MIST
STANDARD COLOUR



RED
STANDARD COLOUR



TEA
STANDARD COLOUR



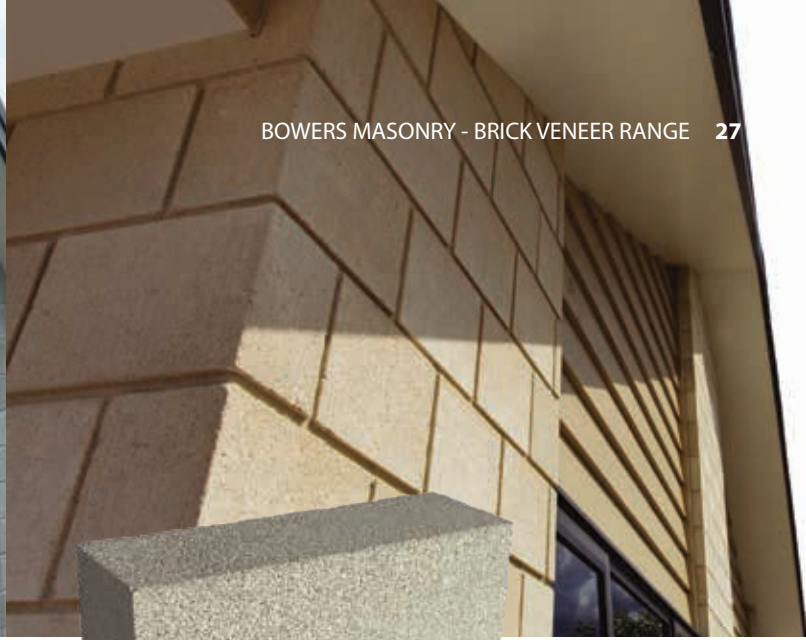
IRONSANDS
STANDARD COLOUR

Bowers Standard Brick shown.

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



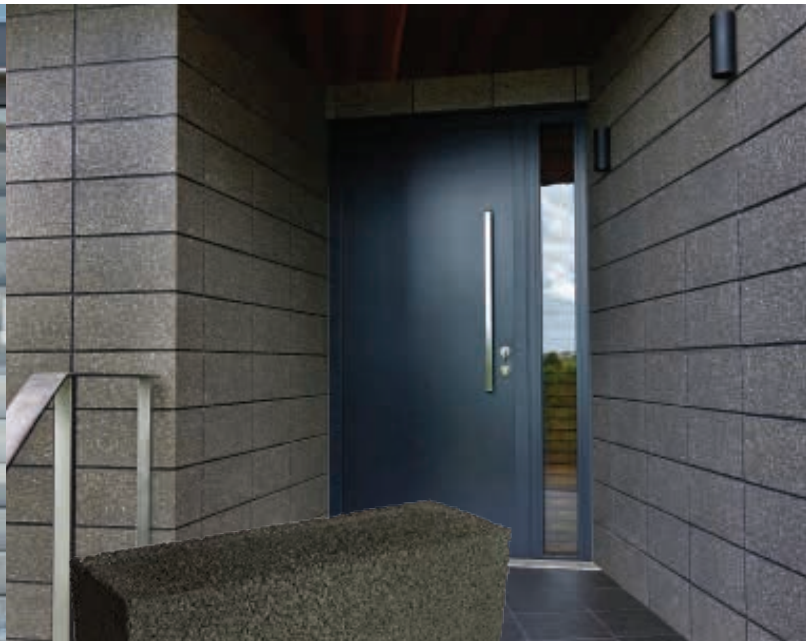
PEWTER
STANDARD COLOUR



ANTIQUE CREAM
PREMIUM COLOUR



ICE
PREMIUM COLOUR



MIDNIGHT
PREMIUM COLOUR



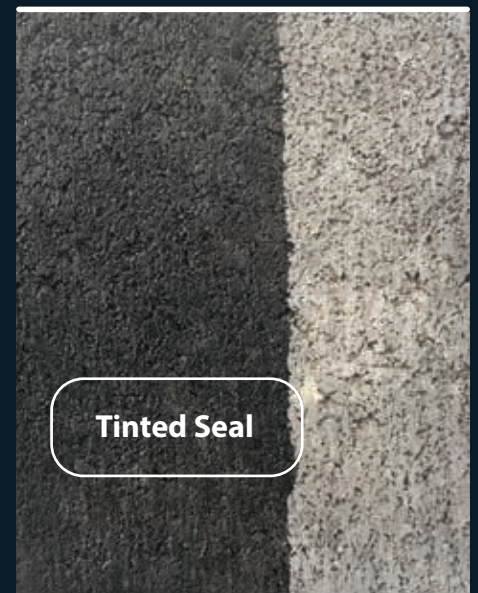
SEALING

As with all masonry products, to enhance the life and durability of the product we recommend the use of a suitable exterior clear sealer.

Midnight and Ironsands bricks must be sealed to prevent fading, reduce the chance of efflorescence and enhance the appearance. The use of a tinted sealer will give an even greater depth of colour to black bricks.

Seal brickwork as soon as possible as per suppliers recommendations. Any efflorescence should be removed before sealing.

Refer to the Technical Information Page in the Resources Section , on our website for application details.





MORTAR

Bowers recommends colour matching your mortar to your brick colour.

Using a dark colour mortar with a light colour brick or light colour mortar with a dark brick will cause the mortar to:

- Colour bleed into the brick and will highlight any imperfections in the veneer or the laying.
- Cause staining, giving the brick a patchy dirty look.

For example:

Premium white mortar looks best with the Ice coloured bricks and a black mortar needs to be used with Midnight or Ironsands coloured bricks.

The bricklayer must regularly sponge off thoroughly with clean water to prevent the mortar staining the surface of the bricks.



BRICK VENEER SAMPLE BOXES

Bowers Masonry have developed a Brick Veneer Sample Box to help customers choose the right brick colour for their homes. This convenient way to view brick colours with different finishes aids in the decision-making process for homeowners.

Choosing the right cladding, such as brick veneer, is an important aspect of designing and building a home. The variety of options available on the market can be overwhelming, and the challenge of accurately assessing colours from brochures due to printing variations is a common concern. Providing physical samples with different finishes gives customers a more realistic representation of how the bricks will look on their homes.

To place an order for the Brick Veneer Sample Box, customers can reach out to their Bowers Masonry Regional Sales Representative. This personalised approach ensures that customers receive the assistance they need in selecting the right brick colour that aligns with their preferences and overall home design. This level of customer support can greatly enhance the buying experience and help homeowners feel more confident in their choices.

BEST FOR

- Residential
- Commercial



BRICK COLOURS STANDARD COLOURS



PREMIUM COLOURS



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

This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.



INFORMATION

BRICK VENEERS

As masonry brick veneers are manufactured using natural products, some variation in the shade/colour, texture and size tolerations should be expected.

Texture can be open and porous looking to smooth and slick looking across the same batch. This is just a natural occurrence in the manufacturing process.

Unusual discolouration patterns can be limited by blending the bricks. Should there be any concern regarding significant colour variation, laying should cease and the manufacturer contacted. Bowers Midnight and Ironsands bricks, should be dry cut by the bricklayer to avoid slurry staining from a wet cut. These variations make up part of the inherent beauty of brick.

Brick veneers for each job should come out of the same batch and you should blend vertically from at least three pallets to blend colour and texture variations. A bricklayer should regularly step back and view the laid product from a distance of 6.1 m, to check the blending is acceptable.

A "Batch" is deemed to be:

- From which plant, it is manufactured &
- The date of manufacture. (this may be over consecutive days due to manufacturing limitations).

It is advised that you check the batch details on all pallets prior to commencing installation in case there has been a loading error from the yard or your supplier. It is easier to remedy any issues before the work has commenced.

It is also advised that you keep a copy of the batch details in case you run short of product. During transportation bricks may rub together on the pallet. This can sometimes cause light rubbing on the face of the bricks. Excessively

rubbed bricks should be discarded or used for cuts. Be selective when laying the brick veneers - put damaged or chipped bricks to one side and do not lay them in highly visible areas i.e. near the front door.

Chips of varying sizes may be evident on the edges and corners of the bricks. Complete product breakage may also occur during cartage, especially on long distance haulage or during unloading. These are an unavoidable part of distributing and manufacturing any masonry product. Minor cracks and chips can occur but are not recognised as brick defects.

Due to the nature of bricks no two bricks are the same and no brick is perfect when examined close-up.

ASTM C90 has been adopted as the industry standard for viewing brickwork from an aesthetic standpoint - a workmanship quality standard is achieved if imperfections, including chips, are not visible when viewed from a distance, of not less than 6.1 m under diffused light as per ASTM C90.

ASTM C216-04 specifies that bricks must contain less than 5% visible cracking when viewed from a distance of 6.1m.

ASTM C216-15 for a general-purpose face brick (FBS textured) basically has the following requirements:

- Chips from the edge should not be deeper than 8mm
- Corner chips should not be deeper than 13mm.

When all the length of the chips is added up, that the total does not exceed 10% of the perimeter of the brick face (as an example, the accumulative lengths of the chips for a 230mm x 75mm brick shall not exceed 61 mm).

Bowers advise against laying bricks while

they are wet as colour variation can not be seen and the desired final result may differ once dry. It is important to discuss with your bricklayer the aesthetic look you are hoping to achieve with your brick veneer and if possible, include them in your selection process.

We strongly advise that all parties involved in the construction process (builder, brick layer & client) are made aware of and have read the:

Master Brick & Block Layers Brick Veneer Best Practice Guide

- Scan the QR Code to view



Product laid is deemed to be product accepted.

EFFLORESCENCE

Efflorescence is generally a “whitening” look on the surface of the brick veneer. It can vary in appearance from a thin hazy layer which is sometimes confused as surface fading to a thick calcified white crust. It is a common phenomenon experienced in a variety of degrees by all forms of product that has cement and should be anticipated on any job.

Efflorescence occurs where excessive amounts of water enters a veneer that has soluble salts present. When the water evaporates, the salts are then deposited on the surface of the veneer. Soluble salts can enter the veneer from various sources:

- Mortar components, particularly cement.
- Soil or fill in contact with the wall.
- Sea spray in coastal areas.

We recommend that Veneer walls should be protected or covered from inclement weather during the construction process to avoid the walls being saturated as this will promote efflorescence. Persistent efflorescence may act as a warning sign that water is entering the wall through faulty copings, flashings or pipes.

Why do we get Efflorescence?

When the cement reacts with water Calcium Hydroxide is formed. The Calcium Hydroxide migrates to the surface of the brick through capillary action and forms Calcium Carbonate when it encounters Carbon Dioxide. The insoluble Calcium Carbonate is essentially limestone.

Cleaning Efflorescence

The initial appearance of efflorescence (Primary) can be scrubbed off with a stiff plastic brush and some detergent whilst it is still in its powdered form.

An alternative dry method is to brush the efflorescence loose and vacuum the deposit off and out of the pores.

If efflorescence is left on the wall for a period of time and is allowed to calcify (Secondary), it is extremely difficult to remove.

To remove Secondary efflorescence, will require an acid wash or Green Acid “Guard it” and should be done by a professional following the supplier’s recommendations.

Extracts are from www.bbfz.co.nz “Brick Veneer Best Practice Guide”



MASONRY BLOCK RANGE

**10, 15, 20, 25 SERIES
BLOCK RANGE**



CERTIFIED CONCRETE

Bowers Brothers Concrete is tested and meets specific quality and performance standards, ensuring that it performs as expected in various applications. Certifications include industry-specific standards and ensures that the concrete mix meets the required specifications for the intended use.



10 SERIES MASONRY BLOCK



Masonry Block 10 Series is a versatile and innovative option for architectural projects. Its slim profile and design versatility make it suitable for a range of applications, especially where aesthetics and practicality are both important factors. The fact that they can serve as a brick veneer alternative and help create distinctive feature walls highlights their potential for enhancing the visual appeal of a building.

One of the key advantages of the Masonry Block 10 Series is its slimness, which sets it apart from traditional masonry blocks. This slim profile opens up new possibilities for design flexibility and can even help save space in construction projects. This is particularly valuable in today's urban environments where efficient use of space is often a priority.

Additionally, the Masonry Block 10 Series' can provide an additional layer of protection. These blocks could potentially contribute to improved fire safety measures in buildings.

Masonry Block 10 Series offers a blend of aesthetic appeal, design flexibility, space-saving potential, and fire protection. Architects, designers, and builders might find these blocks to be a valuable asset for their projects, especially when seeking a balance between functional requirements and visual enhancements.

STANDARD COLOUR



NATURAL

MADE-TO-ORDER COLOUR*

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



MIDNIGHT

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

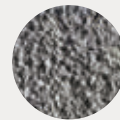
This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.

FINISHES*

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



FAIR FACED



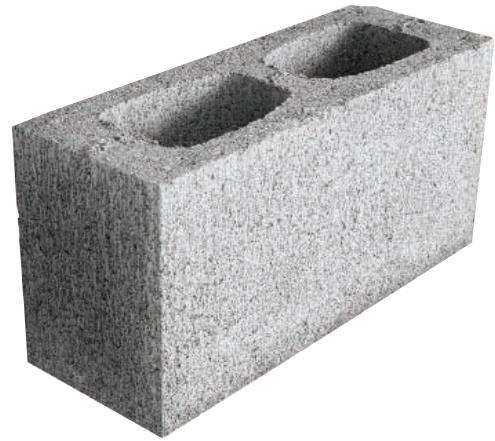
SHOTBLASTED



HONED



15 SERIES MASONRY BLOCK



15 Series Masonry Blocks have a strategic positioning within the product line-up, offering a balance between the larger and more visually expansive 20 and 25 Series blocks, and the smaller 10 Series versatile blocks.

These masonry blocks strike a balance between visual impact and versatility due to their middle-sized form. Their robust appearance contributes to architectural appeal, which can be a desirable feature in construction projects. Their smaller size gives them versatility, making them suitable for various construction applications. This adaptability could be especially useful when working on projects with different design requirements.

15 Series Masonry Blocks are designed to enhance the visual appeal of a building. This is achieved through their well-balanced size and robust appearance, which can contribute to an aesthetically pleasing overall look.

Bowers offer a range of finishing options, which can further enhance the masonry block visual appeal and adaptability. These options include leaving the blocks in their natural state, applying different colours, or achieving specific finishes like Fairface, Honed, or Shot Blasted. This variety allows builders and architects to customise the blocks' appearance to suit the design vision of a project.

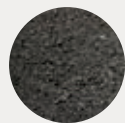
STANDARD COLOUR



NATURAL

MADE-TO-ORDER COLOUR*

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MIDNIGHT

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FINISHES*

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FAIR FACED



SHOTBLASTED



HONED

20 SERIES MASONRY BLOCK



20 Series Masonry Blocks versatility for various construction applications is a valuable attribute. This versatility likely stems from their design, size, and composition, which enable them to be used effectively in a wide range of building projects.

Specifically, the Bowers 20 Series Masonry Blocks are noted for being well-suited for constructing walls in different types of buildings. This is due to their structural integrity, ease of use and compatibility with various construction methods.

One beneficial highlight of using these blocks is their positive impact on the overall well-being of a building. The blocks offer more than just structural support; they actively contribute to the comfort and quality of the living or working environment.

Masonry blocks contribute to improved insulation within the building. This means better temperature regulation, which is important for energy efficiency and occupant comfort. Bowers masonry blocks aid in noise control. They have acoustic insulation properties, helping to reduce the transmission of external noise into the building. This is a significant feature for creating a quiet and peaceful indoor environment.

By reducing external noise and improving insulation, the Bowers 20 Series Masonry Blocks can contribute to a more comfortable living or working space. This aligns with the growing emphasis on creating buildings that prioritise occupant comfort and well-being.

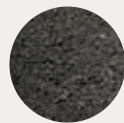
STANDARD COLOUR



NATURAL

MADE-TO-ORDER COLOUR*

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MIDNIGHT

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FINISHES*

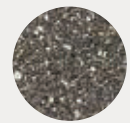
*Made to order finishes are available on a minimum order quantity.



FAIR FACED



SHOTBLASTED



HONED

25 SERIES MASONRY BLOCK



Masonry Block 25 Series primary selling point is the low maintenance aspect of the block. This feature resonates with customers looking for durable and hassle-free building materials that require minimal upkeep over the years.

The use of high-quality concrete in manufacturing the blocks is a crucial factor in ensuring their longevity and performance. This reinforces the notion that customers can expect reliable and lasting results from these masonry blocks.

Durability and quality of Masonry Block 25 Series blocks leads to years of trouble-free living. These blocks contribute to the overall structural integrity of the building. This is appealing for projects where strength and stability are critical factors.

An important feature is masonry blocks are made from fire-resistant materials which is an attractive quality for customers who prioritise added protection in their construction projects.

Bowers offers a range of finishing options and assists with achieving specific finishes that is valuable for projects where a unique and personalised look is desired. The versatility in finishing options – natural state, coloured blocks, Fairface, Honed, or Shot Blasted finish – provides customers with a range of choices to match their design preferences.

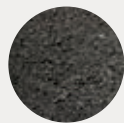
STANDARD COLOUR



NATURAL

MADE-TO-ORDER COLOUR*

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MIDNIGHT

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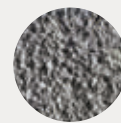
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FINISHES*

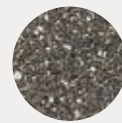
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FAIR FACED



SHOTBLASTED

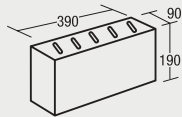


HONED

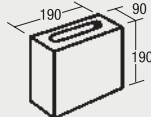
BOWERS MASONRY

BLOCK RANGE

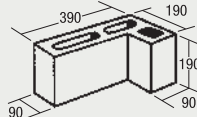
10 SERIES



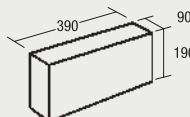
10.01
Standard
150 per pallet



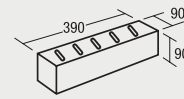
10.02
Standard Half
300 per pallet



10.03
Return Corner
144 per pallet

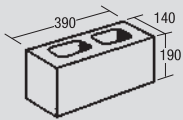


10.17
Solid Block
120 per pallet

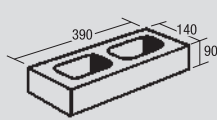


H10.01
Standard Half High
300 per pallet

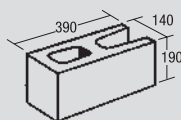
15 SERIES



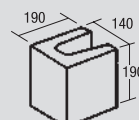
15.04
Plain End
120 per pallet



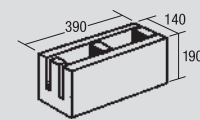
H15.04
Standard Half High
240 per pallet



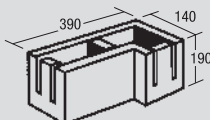
15.05
Open End
120 per pallet



15.12
Half Lintel
240 per pallet

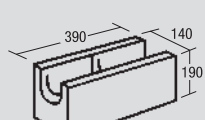


15.14
Knock Out Bond
Beam
120 per pallet



Right Hand Shown

15.15
Corner Bond Beam
Left or Right
102 per pallet



15.16
Open End Bond Beam
120 per pallet

RECOMMENDATIONS

We recommend that this product is installed by a Licensed Building Practitioner, qualified in Brick & Block Laying in accordance with NZS 4210. We recommend the use of Control Joints. Refer to our full technical data sheet for more information. Design DWG's are available on our website.

NOTE

Other Block types may be available as a 'Made to Order' product. A range of colours are available as a 'Made to Order' product. Colour and Texture may vary between block types. Concrete products may display 'efflorescence' (whitening) which is a natural occurrence. We have taken all possible steps to minimise this from occurring in our products.

USEFUL ESTIMATING DATA FOR BOWERS HOLLOW MASONRY



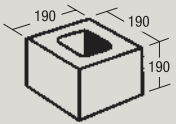
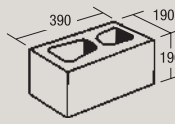
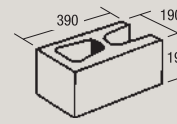
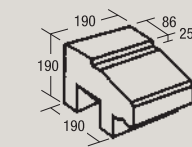
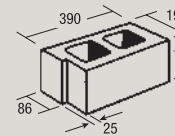
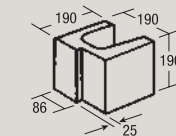
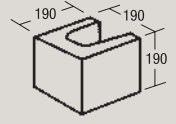
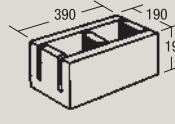
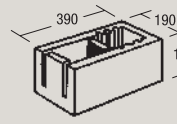
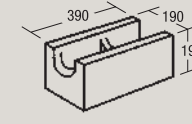
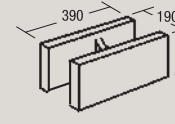
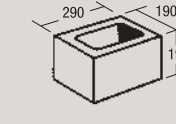
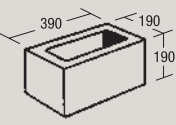
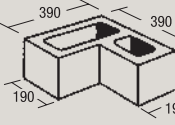
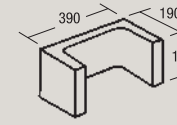
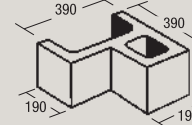
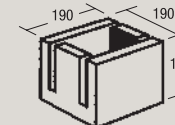
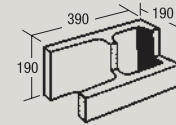
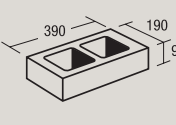
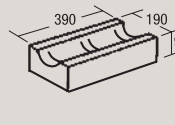
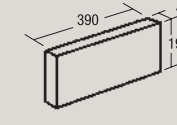


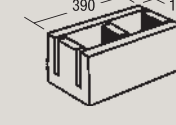
Blockfill Volume

15 Series = 165 blocks/m³
20 Series = 125 blocks/m³
25 Series = 85 blocks/m³

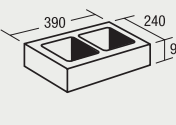
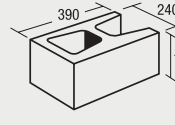
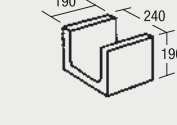
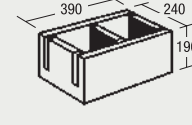
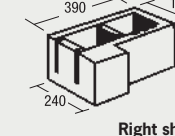
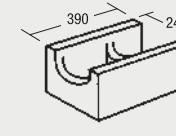
Units per m²

15 Series = 12.5 units Half High 15 Series = 25 units
20 Series = 12.5 units Half High 20 Series = 25 units
25 Series = 12.5 units Half High 25 Series = 25 units

20 SERIES

					
20.02 Plain Half 180 per pallet	20.04 Flush Ends 90 per pallet	20.05 Open End 90 per pallet	20.08 Sill 150 per pallet	20.09 Rebate 90 per pallet	20.11 Rebate Lintel 195 per pallet
					
20.12 Plain Half Lintel 234 per pallet	20.14 Knock Out Bond Beam 90 per pallet	20.15 Corner Bond Beam 90 per pallet	20.16 Open End Bond Beam 90 per pallet	20.16H Open Both End Bond Beam 90 per pallet	20.19 Three Quarter 10 per pallet
					
20.30 Pier 90 per pallet	20.33 Pier 50 per pallet	20.34 C-Type Pilaster 100 per pallet	20.35 H-Type Pilaster 50 per pallet	20.44 Half Knock Out Bond Beam 180 per pallet	20.45 Header 120 per pallet
			20 SERIES COLOURED MASONRY   Midnight		
H20.04 Standard Half High 180 per pallet	H20.14 Half High Bond Beam 180 per pallet	517 Capping Block 300 per pallet		2014u Universal Bond Beam 90 per pallet	

25 SERIES

					
H25.04 Standard Half High 156 per pallet	25.05 Plain End 78 per pallet	25.12 Lintel 192 per pallet	25.14 Knock Out Bond Beam 78 per pallet	25.15 Corner Bond Beam Left or Right 78 per pallet	25.16 Open End Bond Beam 78 per pallet

FAIR FACED BLOCKS

EXPOSED BLOCK WORK

Check the block layer is a registered Licensed Building Practitioner (LBP). Ensure your block layer is aware you are after a 'Fair Face finish' and that the project is not going to be painted or plastered over.

Customer expectations for appearance and quality should be checked prior to commencement of the job. It is a good idea to build a sample panel of the blocks prior to starting the project for the client to inspect. Make them aware that they may get chipping, joint size variations to compensate the size tolerations of blocks and that mortar colours may bleed into the block. i.e. dark mortar against a light coloured block.

Stack Bonded block work will also enhance any chipping or variations.

Different block profiles will vary in texture and colour as they are not produced in the same batch. Limit the amount of block types used in a job to achieve a better finish. This may require the block layer having to do extra cutting on site. Allow for this in your pricing.

Be selective when laying the blocks - put stained, damaged or chipped blocks to one side and do not lay them in highly visible areas. i.e. near the front door.

Chips of varying sizes may be evident on the edges and corners of the blocks. Complete product breakage may also occur during cartage, especially on long distance haulage or during unloading. These are an unavoidable part of distributing and manufacturing any masonry product. Minor cracks and chips can occur but are not recognised as block defects.

The use of "raked" joints will emphasise chipping to the edges of the blocks. Concave or flush joints will tend to hide these minor chips. Please note that "raked" joints are also not recommended for external walls as the joint may retain water.

Any product which has been rejected by the customer or their layer due to chips or breakage will be the customer's responsibility. A wastage percentage should be applied to every project and typically an extra 10% should be ordered to compensate for this.

Chipping should be limited to 5% of a consignment containing less than 12.5mm in any dimension and any cracking to be less than 0.5mm in width and less than 25% of the nominal height of the unit.

Chips and imperfections should not be evident when viewed from a distance of not less than 6.1m of the constructed wall, under diffused light, as per ASTM C90, which has been adopted as the industry standard for viewing brick and block work.

Block work should be kept dry during the construction process and prior to sealing.

When placing the order, you must:

- Inform "Bowers Brothers" that this is a "Fair Face Job".
- Place the order for the "entire" job, not just a load at a time.
- Allow for extra time for the order to be selected.
- This will allow us to be able to select different block types from batches that have the best possible colour match, however, there is no guarantee.



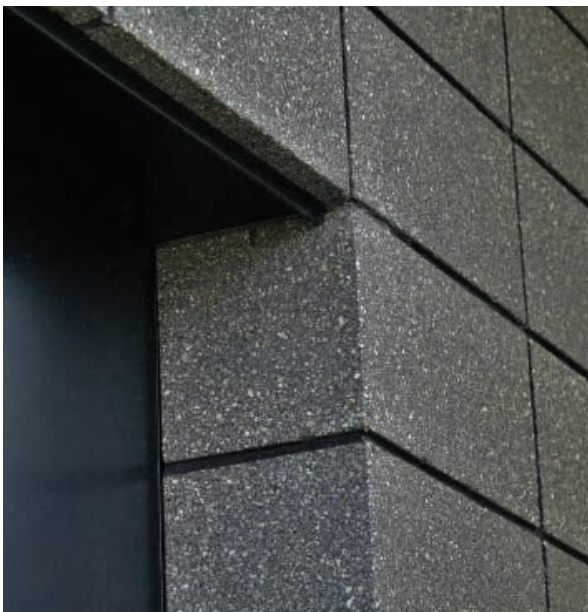
ON SITE HONING FINISH

Please make note of all aspects covered in Fair Face block work as these also apply to honed block work.

Honed masonry is from the standard range of 10, 15, 20 and 25 series hollow blocks. The block surfaces are ground back, removing 2mm – 3mm off the block face giving a smooth finish that reveals the aggregate. The results from the manufacturing process and delivery and may only become apparent after the honing process.

Hairline cracks, chips or other imperfections may be exposed after the honing process that were not evident during the construction of the wall. This is strictly an aesthetic issue which needs to be discussed with the client. Ways to rectify these should have been discussed prior to commencement of the honing and should be part of the honing contractors price. You should also allow for the block layer having to cut out and replace the face of a block in the event of the honing process exposing something that the honer cannot rectify. These costs should also be allowed for.

Only contractors who specialise in Honing on site should be used for this process. As masonry blocks are manufactured using natural products, some variation in the shade and aggregate density should be expected.



**20 Series
Midnight
Honed and
sealed with
black mortar.**

SHOT BLASTED FINISH

Shot Blasted masonry is from the standard range of 10, 15, 20 and 25 series hollow blocks. The block surfaces are shot blasted, removing 2mm – 3mm off the block face giving a rough finish that reveals the aggregate.

Shot Blasting gives a similar appearance to Honed Blocks from a distance however it helps disguise chipping and joint size variations due to the rough texture.

Please make note of all aspects covered in Fair Faced and Honed block work as these may also apply to Shot Blasted block work.

Shot Blasting is a secondary process that is carried out on a “Made to order” basis and we do not accept returns on “Made to order” product.



**20 Series
Midnight
Shot blasted
and sealed with
black mortar.**



COLOURED MASONRY FINISH

It's important to note that when using coloured masonry blocks, you have the option to choose from three different finishes: Fair Face, Honed, or Shot Blasted. These finishes can significantly affect the appearance and texture of the blocks.

Coloured masonry blocks are typically manufactured on a "Made to Order" basis. This means that the blocks are produced specifically for your project, ensuring that you get the colour and finish you desire.

It's crucial to understand that the aspects covered in Fair Face block work also apply to coloured block work. Fair Face block work involves achieving a high-quality, smooth, and aesthetically pleasing finish on the visible surfaces of the masonry. This includes attention to alignment, mortar joints, and surface imperfections.

Different batches or types of coloured blocks may exhibit variations in shade and texture. To maintain consistency and achieve the desired appearance in your project, it's strongly recommended to limit the number of block types used. Consistency in block selection can help ensure a uniform finish.

To navigate the selection and use of coloured masonry blocks effectively, it's advisable to speak with your local Bowers representative. They can provide guidance on the available options, assist in choosing the right block type, and offer insights into best practices for installation and finishing.

When working with coloured masonry blocks, consider the finish options available, order blocks on a made-to-order basis, pay attention to Fair Face block work principles, limit block types for consistency, and seek guidance from Bowers to ensure a successful and visually appealing construction project.

COLOUR MATCHED OXIDE MORTAR DROP PACKS

FOR COLOURED MASONRY



Bowers Midnight Mortar Drop Packs are an innovative product that involves incorporating dissolvable bags with engineered colours into bagged structural mortar for construction purposes.

This inventive approach offers simplicity and environmental benefits. By using dissolvable bags containing engineered colours made from high-quality recycled materials, you're able to achieve natural, colour-fast, and durable results while minimizing environmental impact. This creative solution addresses both practical construction needs and sustainability considerations.

If you have any specific questions or if you'd like to discuss more details about this product, feel free to contact Bowers.

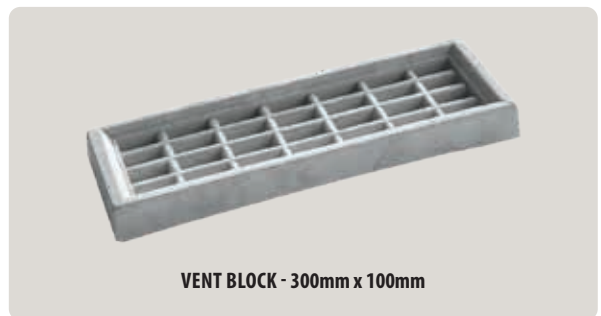
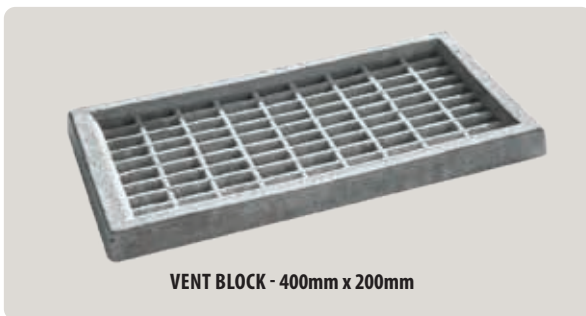
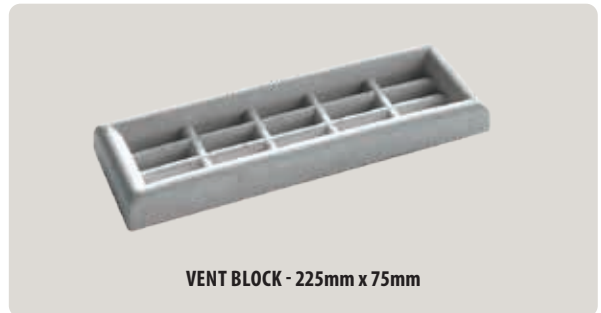
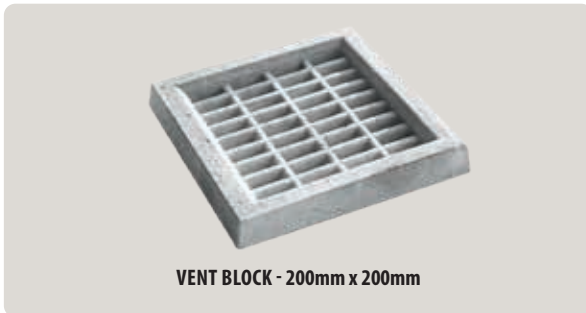


MASONRY VENT RANGE

Masonry vents are constructed using high-quality sand and cement materials, which are then reinforced to ensure a long lifespan. The primary purpose of these vents is to facilitate the removal of moisture and enhance air circulation. This, in turn, promotes a drier airflow around the base of a structure, which can help prevent moisture-related issues such as mould and decay.

These vents are available in various colour ranges to match the surrounding brickwork. This is a beneficial feature as it allows the vents to blend seamlessly with the overall aesthetics of the building.

Masonry vents are designed to last, offer moisture control and improved air circulation. This combination of durability, functionality, and aesthetics makes them a valuable addition to construction projects.



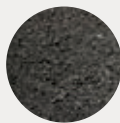
STANDARD COLOUR



NATURAL

MADE-TO-ORDER COLOUR*

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



MIDNIGHT

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

FINISHES



FAIR FACED

BEST FOR

- Residential
- Commercial

This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.

FOR MORE INFORMATION

Our experienced team at Bowers Masonry are here to help bring your vision to reality. The colours in this brochure are our standard colour range. If there is a specific colour you have in mind talk to our team about the made-to-order options available. Adding an architectural finish to your project can greatly change the aesthetics of your design our made-to-order shot blasted brick or honed brick can enhance your design and bring that WOW factor to your build.

Contact us to learn more:



0800 207 374



sales@bowersbrothers.co.nz



www.bowersbrothers.co.nz



PAVING RANGE

**RESIDENTIAL & COMMERCIAL
PAVING RANGE**



CERTIFIED CONCRETE

Bowers Brothers Concrete is tested and meets specific quality and performance standards, ensuring that it performs as expected in various applications. Certifications include industry-specific standards and ensures that the concrete mix meets the required specifications for the intended use.

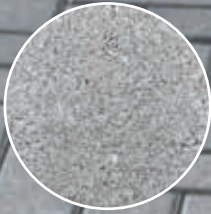
 masterspec partner



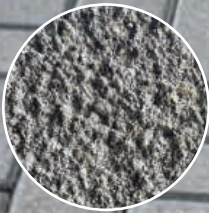
RESIDENTIAL PAVING



FINISHES AVAILABLE



FAIR FACED
Smooth textured surface.

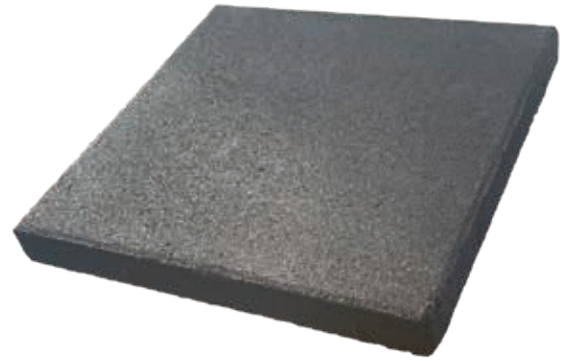


SHOT BLASTED
This gives a rough exposed face to the product.
Made to order.



FLAGSTONE

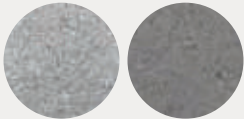
Flagstone pavers are a popular choice for residential landscaping projects due to their modern and contemporary appearance. Their versatility and large size make them suitable for a wide range of outdoor spaces. Flagstone pavers are known for their irregular and natural shapes, which contribute to a unique and visually appealing look. They often come in larger sizes compared to other types of pavers, which can create a sense of grandeur in outdoor designs.



Flagstone pavers are highly versatile and can be used in various outdoor applications. They are commonly used for walkways, patios, pool decks and garden paths. Their ability to blend well with different styles and surroundings makes them a preferred choice for many landscaping projects.

When using flagstone pavers for your landscaping project, it's essential to consider factors such as the type of finish that suits your desired aesthetic, the layout pattern, maintenance requirements, and slip resistance, especially for areas prone to water exposure. Overall, flagstone pavers offer a range of benefits that contribute to their popularity in modern landscaping projects.

COLOUR RANGE STANDARD COLOURS

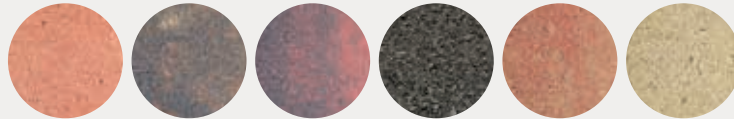


NATURAL

IRONSANDS

MADE-TO-ORDER COLOURS

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



TERRACOTTA

JAFFA

RUSTIC

MIDNIGHT

AUTUMN
LEAVES

LIMESTONE

BEST FOR

Residential

SPECIFICATIONS

450mm x 450mm x 50mm

5 units per m²

48 per pallet

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

This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.



LONDON 50mm

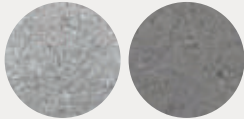


The functional London 50mm paver offers an ideal solution for residential landscaping projects where the emphasis is on the intricate laying pattern of the paved area. Whether you choose classic patterns like herringbone, basket weave, or running bond, the London paver has the capability to transform the space into a timeless and visually appealing design. This is made possible by the pavers adaptability to any of the two available colour-ways. To further elevate the design aesthetic, you can opt for an architectural finish through our made-to-order shot-blasted option. This finish adds a unique texture and visual interest to the pavers, enhancing the overall look and feel of the paved area.

The versatility of the London 50mm paver makes it suitable for various landscaping applications, including paths, patios, domestic or light vehicle use and other outdoor areas. Its durability and functionality ensure that it can withstand foot traffic, vehicular movement, and the demands of outdoor environments.

By choosing the London 50mm paver, you're not only getting a reliable and durable paving solution but also a canvas for creative laying patterns that can truly become the focal point of your residential landscape design. Whether you're aiming for a traditional, contemporary, or customised look, these pavers have the potential to bring your vision to life while adding a touch of elegance and charm to your outdoor space.

COLOUR RANGE STANDARD COLOURS

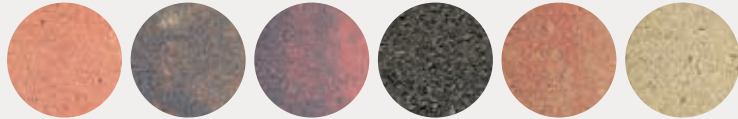


NATURAL

IRONSANDS

MADE-TO-ORDER COLOURS

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



TERRACOTTA

JAFFA

RUSTIC

MIDNIGHT

AUTUMN
LEAVES

LIMESTONE

BEST FOR

- Residential

SPECIFICATIONS

200mm x 100mm x 50mm
50 units per m²
720 per pallet
Suitable for driveways

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

This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.



STONEPAVE 50mm



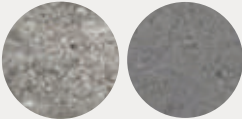
The Stonepave 50mm paver is a unique and visually appealing product that offers a modern twist on the traditional cobblestone look.

Its distinctive features, such as an undulating surface that resembles water ripples, creating an eye-catching and bespoke appearance. This innovation in paving provides a fresh and stylish option for residential applications, adding a stunning aesthetic to various outdoor spaces.

With its creative design and incorporation of elements that mimic natural patterns, the Stonepave 50mm paver stands out in the market and appeals to individuals looking to enhance the visual appeal of their homes and outdoor areas.

The combination of traditional charm and contemporary design elements make this paver a versatile choice for a range of architectural styles and landscaping designs.

COLOUR RANGE STANDARD COLOURS



ROCKSALT

IRONSANDS

MADE-TO-ORDER COLOURS

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



MIDNIGHT

Rock Salt is a mixed blend of Natural and Ironsands.

BEST FOR

Residential

SPECIFICATIONS

200mm x 100mm x 50mm
50 units per m²
720 per pallet
Suitable for driveways

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

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REGENT 50mm



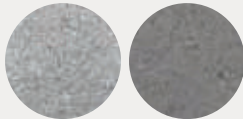
The Regent paver is a versatile and visually appealing option for landscape design. Its smaller size compared to the Flagstone paver, combined with a modern square appearance, offers the potential to create eye-catching outdoor spaces. The choice between Running Bond and Stack Bond configurations provides flexibility in design and layout, allowing for various patterns and aesthetics to be achieved.

One of the notable features of the Regent paver is its made-to-order shot-blasted finish, which can add a touch of drama and architectural elegance to your project. This finish can enhance the overall aesthetic appeal of the paved area, making it stand out and catch the eye.

The versatility of the Regent paver makes it suitable for a variety of landscaping applications, including paths, patios, domestic or light vehicle use. This adaptability shows that the paver can be seamlessly incorporated into different parts of your outdoor space, creating a cohesive and visually pleasing landscape design.

The Regent paver offers a combination of modern aesthetics, design flexibility, and customisation options that contribute to the creation of stunning outdoor landscapes in residential settings.

COLOUR RANGE STANDARD COLOURS

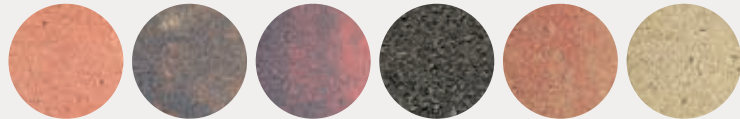


NATURAL

IRONSANDS

MADE-TO-ORDER COLOURS

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



TERRACOTTA

JAFFA

RUSTIC

MIDNIGHT

AUTUMN
LEAVES

LIMESTONE

BEST FOR

Residential

SPECIFICATIONS

230mm x 190mm x 50mm

23 units per m²

312 per pallet

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

This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.




IMPORTANT INFORMATION

1. As masonry paving is manufactured using natural products, some variation in the shade/colour, texture and size tolerations should be expected. Paving for each job should come out of the same batch and you should blend off multiple pallets. A "Batch" is deemed to be: From which plant it is manufactured & The date of manufacture. (this may be over consecutive days due to manufacturing limitations). It is advised that you check the batch details on all pallets prior to commencing installation in case there has been a loading error from the yard or your supplier. It is easier to remedy any issues before the work has commenced. It is also advised that you keep a copy of the batch details in case you run short of product.
2. Product laid is deemed to be product accepted.
3. Concrete products may display 'efflorescence' (whitening) which is a natural occurrence. We have taken all possible steps to minimise this from occurring in our products.

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**

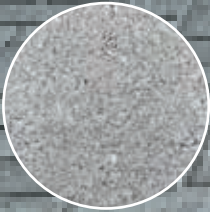
 **www.bowersbrothers.co.nz**

 **BOWERS
MASONRY**

COMMERCIAL PAVING

 masterspec partner

FINISHES AVAILABLE



FAIR FACED
Smooth textured
surface.



SHOT BLASTED
This gives a rough
exposed face to
the product.
Made to order.



LONDON 80mm



The functional London 80mm masonry paver is an excellent choice for commercial landscaping projects where the focal point is the intricate laying pattern of the paved area.

This paver is designed to shine whether the desired paving pattern is a classic herringbone, a sophisticated basket weave, or a straightforward running bond. Regardless of the chosen pattern, the London paver guarantees the creation of a timeless and visually appealing design.

The paver is available in a distinctive colour-way, providing flexibility to match the surrounding environment and architectural elements. This variety ensures that the paver seamlessly integrates into the overall aesthetic of the project. For those seeking to take the design a step further, an architectural finish can be added to the paver. This can be achieved through a made-to-order shot-blasted option. Shot-blasting enhances the pavers surface, adding texture and character to the design. This finishing option adds a touch of sophistication and uniqueness, elevating the visual and tactile experience of the paved area.

The versatility of the London 80mm paver extends beyond its aesthetics. It is suitable for a range of applications, including driveways, roads, and other commercial areas. Its robust construction and durability make it an ideal choice for areas that experience high traffic or heavy loads.

COLOUR RANGE STANDARD COLOURS



IRONSANDS

MADE-TO-ORDER COLOURS

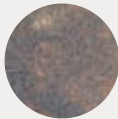
*Made to order colours and finishes are available on a minimum order quantity.



NATURAL



TERRACOTTA



JAFFA



RUSTIC



MIDNIGHT



AUTUMN
LEAVES



LIMESTONE

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

200mm x 100mm x 80mm
50 units per m²
480 per pallet

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

This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.

STONEPAVE 80mm



The Stonepave 80mm paver is a distinctive and visually appealing option for various commercial applications, particularly driveways and roads. Its unique design, reminiscent of a cobble set with an undulating surface resembling water ripples, presents a fresh and innovative take on the traditional cobblestone appearance.

The Stonepave 80mm pavers aesthetic qualities enhance the overall look of commercial spaces, adding an element of sophistication and charm. Stonepave 80mm is suitable for driveways, roads, and other commercial uses making its durability and practicality ideal for high-traffic areas. This combination of aesthetics and functionality could make it an attractive choice for projects where both visual appeal and performance are important factors. This paver has a strong focus on capturing a natural and visually dynamic effect which makes the paver stand out among other paving options in the market.

The Stonepave 80mm paver is an intriguing addition to the paving range, offering a modern twist on the classic cobblestone appearance. Its suitability for various commercial applications, coupled with its eye-catching design, make it an appealing choice for projects that seek to balance aesthetics and functionality.

COLOUR RANGE STANDARD COLOURS



ROCKSALT

Rock Salt is a mixed blend of Natural and Ironsands.

MADE-TO-ORDER COLOURS

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



IRONSANDS



MIDNIGHT

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

200mm x 100mm x 80mm
50 units per m²
480 per pallet
Suitable for roads

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

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ROAD KERBS

Commercial concrete kerbing is a type of kerbing or edging that is specifically designed for use in road network pavements, car park perimeters, access-ways, and various other commercial applications. It serves both functional and aesthetic purposes in these settings.



The kerbing is manufactured using concrete, which provides durability required for heavy-duty applications. It is designed to withstand the weight and traffic of vehicles, ensuring long-lasting performance. The kerbs are usually installed at the edges of roads, parking lots, and pathways to provide clear separation between different areas, guide traffic flow, and prevent vehicles from encroaching onto pedestrian areas.

One of the notable features of commercial concrete kerbing is its interlocking mechanism. The kerbs are designed with a V-shaped joint between individual units. These units can be laid next to each other, and the V joints interlock, creating a secure and seamless connection. This interlocking design enhances the overall stability of the kerbing, making it more resistant to shifting due to traffic loads. The V joints between the kerb units are typically filled with mortar, a mixture of cement, sand, and water. This mortar filling serves to further strengthen the connection between the kerbs and provides additional stability to the kerbing structure as a whole.

COLOUR RANGE STANDARD COLOURS



NATURAL

MADE-TO-ORDER COLOURS

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



IRONSANDS

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

460mm x 125mm x 205mm
2.17 units per Lm
76 per pallet
Suitable for roads

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

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PERMEABLE PAVING RANGE

FINISHES AVAILABLE



FAIR FACED
Smooth textured
surface.



SHOT BLASTED
This gives a rough
exposed face to
the product.
Made to order.



 **masterspec partner**



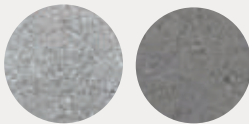
AQUALOK™



The Aqualok permeable paving system is designed to manage storm water runoff effectively by diverting and storing water within the paving structure. This process allows water to be filtered and cleansed of pollutants and sediments before gradually releasing it into the ground below. The system employs a unique approach with raised nubs on each paver that create spaces when laid, which are then filled with a fine drainage medium. This creates a pathway for water to flow through the pavers, facilitating the drainage process. When combined with the Aquastone paving system, the Aqualok system can lead to visually appealing and functional landscape designs. By utilising both rectangle and cobblestone sett pavers, various design elements can be achieved. These design features could range from subtle edging to more elaborate and attention-grabbing patterns, allowing for versatility in creating a unique and attractive outdoor space.

The Aqualok and Aquastone systems are suitable for various outdoor applications such as paths, patios, driveways, and other landscaping projects. The permeable nature of the Aqualok system makes it particularly well-suited for areas where effective storm water management is essential to prevent flooding, erosion, and water pollution. Additionally, the aesthetic possibilities offered by combining these paving systems make them a desirable choice for enhancing the visual appeal of outdoor environments.

COLOUR RANGE STANDARD COLOURS



NATURAL

IRONSANDS

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.

IMPORTANT INFORMATION

Please ensure installation is done correctly by a credible contractor, if installed incorrectly the permeable system will not create the desired results. For full installation instruction please visit Bowers Technical Specifications page on our website.

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

200mm x 100mm x 80mm

50 units per m²

480 per pallet

Permeability 5,500mm per hr

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AQUASTONE™

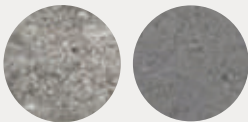


Aquastone permeable pavers are an innovative and aesthetically pleasing solution for various landscaping applications. These pavers offer the appearance of traditional cobblestone set pavers but come in a convenient size of 200mm x 100mm. The unique feature of raised nubs on each side of the paver is particularly interesting, as it allows for wider spacing between the pavers when they are laid down. This spacing creates permeable drainage channels, which can be filled with a fine drainage medium to facilitate water drainage. By combining the Aquastone paving system with the Aqualok paving system, you can achieve diverse and captivating landscape designs. This combination of rectangle and cobblestone sett pavers offers versatility in design, making it possible to create subtle edging or more intricate and attention-grabbing patterns.

It's worth noting that the permeable nature of these pavers can be advantageous for eco-friendly landscaping and for addressing water drainage concerns, which is particularly important in areas where water runoff management is a consideration.

These pavers are suitable for paths, patios, driveways, and other landscaping applications which shows their versatility and potential to enhance various outdoor spaces.

COLOUR RANGE STANDARD COLOURS



ROCKSALT

IRONSANDS

Rock Salt is a mixed blend of Natural and Ironsands.

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.

IMPORTANT INFORMATION

Please ensure installation is done correctly by a credible contractor, if installed incorrectly the permeable system will not create the desired results. For full installation instruction please visit Bowers Technical Specifications page on our website.

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

200mm x 100mm x 80mm
50 units per m²
480 per pallet
Permeability 5,500mm per hr

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AQUACOURT™



Aquacourt permeable pavers offer a promising solution for those seeking sustainable and aesthetically pleasing alternatives to traditional impermeable pavements. Their ability to address drainage issues, heat mitigation, and landscape design needs makes them a valuable option for various projects. This versatility makes them suitable for a wide range of outdoor spaces, from residential gardens to commercial landscapes. Aquacourt permeable pavers allow air and water to pass through them and drain freely into the ground below. This helps prevent water runoff and encourages proper drainage, reducing the risk of flooding and soil erosion.

The permeability of Aquacourt pavers aids in effective water drainage. By allowing water to infiltrate the ground rather than pooling on the surface, these pavers help maintain the health of soil and vegetation. The permeable nature of these pavers aligns with sustainable landscaping practices. They contribute to reducing the environmental impact of hard scape surfaces by facilitating natural water infiltration.

These pavers are designed to mimic the look of standard pavers, ensuring that the aesthetic appeal of outdoor spaces is maintained. This means that while providing functional benefits, they also contribute to the overall visual design.

COLOUR RANGE STANDARD COLOURS



IRONSANDS

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.

IMPORTANT INFORMATION

Please ensure installation is done correctly by a creditable contractor, if installed incorrectly the permeable system will not create the desired results. For full installation instruction please visit Bowers Technical Specifications page on our website.

BEST FOR

Residential

SPECIFICATIONS

450mm x 225mm x 50mm

10 units per m²

96 per pallet

Permeability 1,800mm per hr

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GRASSLOK™



Grasslok permeable pavers offer an innovative solution to address issues related to troublesome grassed areas with soft ground or potholes. These pavers provide a dual benefit of adding strength and durability to grassed lawns while accommodating light traffic or functioning as hard stand areas. By utilising Grasslok permeable pavers, you can transform problematic areas into functional spaces that maintain an attractive and natural appearance.

One of the key advantages of Grasslok permeable pavers is their ability to create a permeable surface. This permeability effectively manages stormwater by allowing water to infiltrate the ground rather than contributing to storm water runoff. This is especially crucial considering the concerns surrounding impermeable pavements, which can exacerbate storm water runoff issues. By adopting Grasslok pavers and constructing permeable areas, you not only mitigate storm water runoff but also eliminates the need for costly drainage systems.

The versatility of Grasslok permeable pavers makes them suitable for various applications, including: paths, patios, driveways, hard stand and overflow parking areas. By utilising Grasslok permeable pavers, you can effectively combine functionality and environmental responsibility. These pavers not only improve the aesthetics of your outdoor spaces but also contribute to sustainable storm water management. Whether it's for residential, commercial, or public areas, Grasslok permeable pavers offer a practical and eco-friendly solution for transforming problematic grassed areas into valuable and resilient spaces.

COLOUR RANGE STANDARD COLOURS

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.

IMPORTANT INFORMATION

Please ensure installation is done correctly by a creditable contractor, if installed incorrectly the permeable system will not create the desired results. For full installation instruction please visit Bowers Technical Specifications page on our website.

BEST FOR

- Residential
- Commercial

SPECIFICATIONS

400mm x 200mm x 80mm
12.5 units per m² | 150 per pallet
Permeability dependant on grass turf or pebble stones used.

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This product is not subject to a warning or ban under the Building Act 2004, or a description of any warning or ban that has been made in relation to the product.



AQUABIND™

Aquabind™, which is a water-based acrylic solution with elastomeric properties designed to be used in conjunction with permeable pavement projects. Aquabind™ is a product designed to provide stability and durability to permeable pavement projects by using its elastomeric properties. It's mixed with water at a 1:1 ratio and is used to prevent erosion of jointing chips and decorative pebbles, especially in situations where water flow or cleaning methods might pose a risk to the integrity of the pavement.

Aquabind™, which is a water-based acrylic solution with elastomeric properties designed to be used in conjunction with permeable pavement projects. Aquabind™ is a product designed to provide stability and durability to permeable pavement projects by using its elastomeric properties. It's mixed with water at a 1:1 ratio and is used to prevent erosion of jointing chips and decorative pebbles, especially in situations where water flow or cleaning methods might pose a risk to the integrity of the pavement.

Properties: Aquabind™ is a water-based acrylic solution that possesses elastomeric properties. This means that it has the ability to flex and move with the permeable pavement, adapting to any changes without cracking or breaking.

Application: The diluted Aquabind™ solution is applied to jointing chips and decorative pebbles. Its primary purpose is to stabilise these materials, preventing them from being washed out due to factors like steep driveways or cleaning methods involving water blasters or hose pipes.

Concentration: Aquabind™ concentrate is sold in 20-liter pails. When mixed with water at a 1:1 ratio, you get a diluted solution. For example, you would mix 1 liter of Aquabind™ with 1 liter of water.

Coverage: When the diluted Aquabind™ solution is used in a 1:1 ratio with water, one 20-liter pail of Aquabind™ can cover approximately 60 square meters (m²) of paving. This indicates the area that can be effectively treated with the given amount of product.

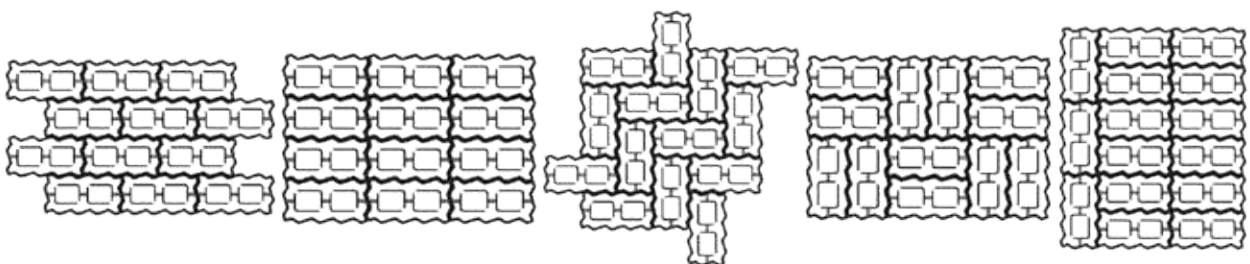
Complementary Products: Aquabind™ is recommended to be used alongside other products like Aqualok™ and Aquastone™ for stabilising joint chips, and with Grasslok™ when working with decorative pebbles. These complementary products likely enhance the performance of the overall pavement system.



LAYING PATTERNS

Creating a unique feature with the laying pattern of your pavers can transform the aesthetic of your paved area, whether it's a patio, driveway, or path.

Remember that the choice of materials and colours also plays a significant role in the overall aesthetic. Before finalising your design, consider the style of your home, landscaping elements, and the mood you want to create in your outdoor space. By selecting the right laying pattern and materials, you can truly add a unique dimension and character to your patio, driveway, or path.



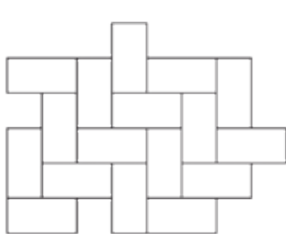
RUNNING BOND

STACK BOND

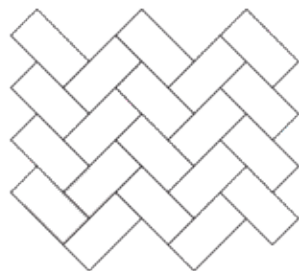
HERRINGBONE

BASKET WEAVE

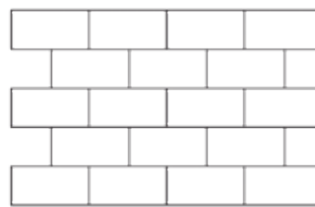
MACHINE LAID



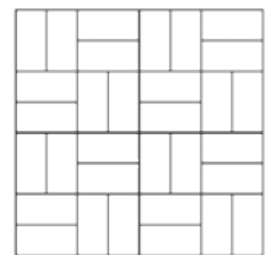
90° HERRINGBONE



45° HERRINGBONE



STRETCHER BOND



BASKET WEAVE



RETAINING SOLUTIONS

RESIDENTIAL & COMMERCIAL



CERTIFIED CONCRETE

Bowers Brothers Concrete is tested and meets specific quality and performance standards, ensuring that it performs as expected in various applications. Certifications include industry-specific standards and ensures that the concrete mix meets the required specifications for the intended use.





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



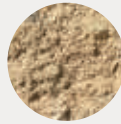
ROCKSALT



IRONSANDS

MADE-TO-ORDER COLOURS

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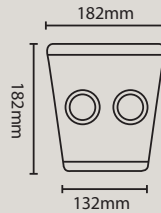
DESERT STORM

BEST FOR

Residential

SPECIFICATIONS

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

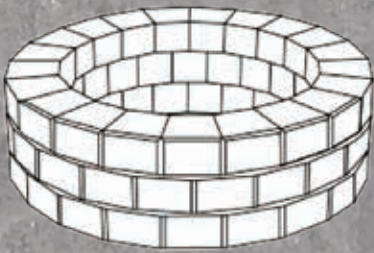


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LAYING PATTERNS



CIRCULAR



CURVED



STRAIGHT



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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FEATURES & BENEFITS

- ✓ Easy installation
- ✓ Patterned retaining walls
- ✓ Fully engineered
- ✓ Versatile
- ✓ Attractive and durable
- ✓ Environmentally safe
- ✓ Construction methodology
- ✓ Exceptional seismic performance

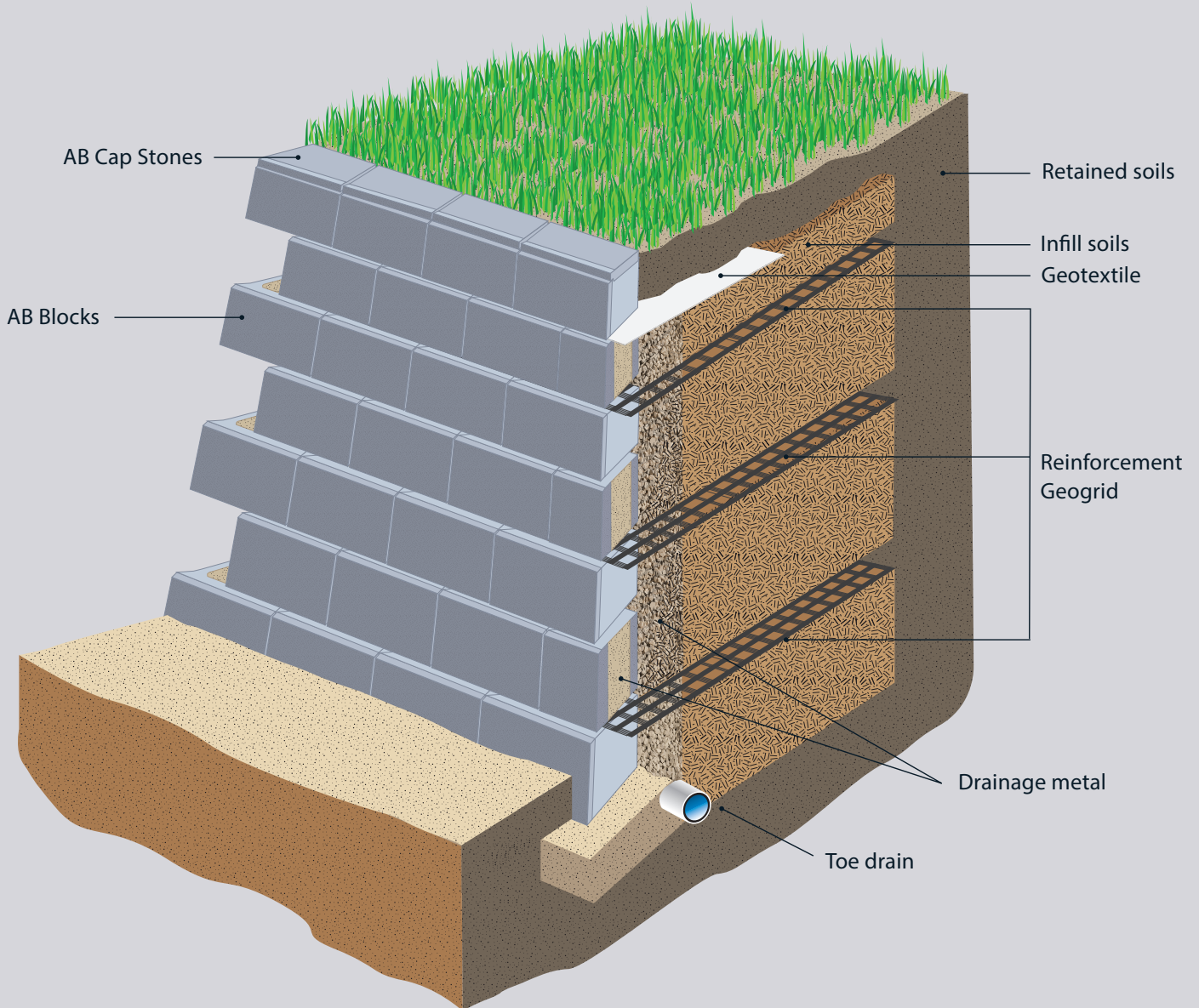
IMPORTANT INFORMATION

Engineering advice should be sought for walls exceeding 900mm, 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.

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) (mm)	AREA (m ²)	BLOCKS (per pallet)	SETBACK (from vertical)	WEIGHT (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.

0800 207 374 | sales@bowersbrothers.co.nz | www.bowersbrothers.co.nz



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 wall's 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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CREATE AB ASHLAR BLEND WITH A FOUR BLOCK COMBINATION

Engineering advice should be sought for walls exceeding 900mm, or for retaining walls supporting an additional load, e.g. driveways, buildings or slopes etc.



Seven full size blocks - approximately 3m

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

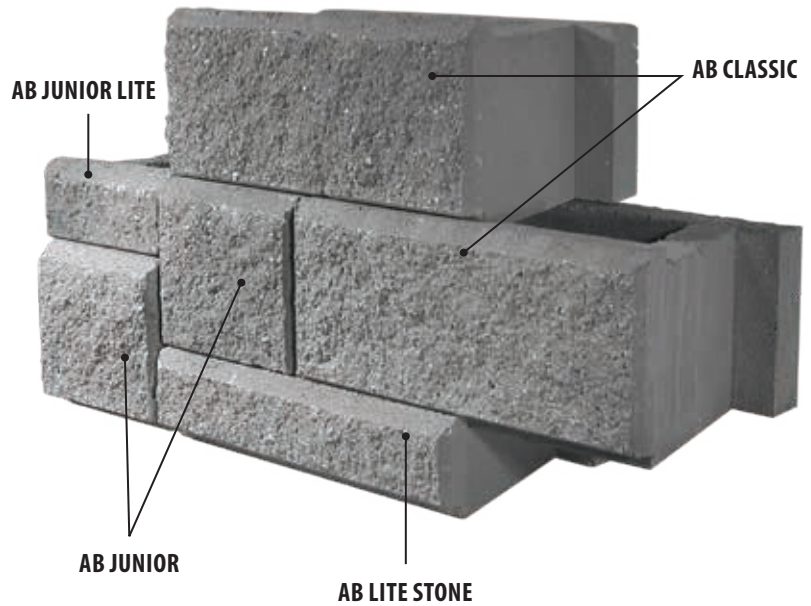
Reinforcement Geogrid

Base course



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.

PRODUCT	SIZE (L x W x H) (mm)	AREA (m ²)	BLOCKS (per pallet)	SETBACK (from vertical)	WEIGHT (Kg)
AB Classic	435 x 300 x 200	11.5 blocks	40	6°	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.



ALLAN BLOCK® CONTRACTOR TRAINING

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.

ALLAN BLOCK® 3D MODELING TOOL

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



www.bowersbrothers.co.nz



**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 RANGE

STANDARD 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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FEATURES & BENEFITS

- ✓ 100% New Zealand designed & manufactured
- ✓ Fully engineered and tested
- ✓ Versatile
- ✓ Superior strength
- ✓ Positive geogrid connection
- ✓ Clean, smart finish
- ✓ Vertical
- ✓ Environmentally safe
- ✓ High seismic performance

IMPORTANT INFORMATION

Engineering advice should be sought for walls exceeding 900mm, 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.



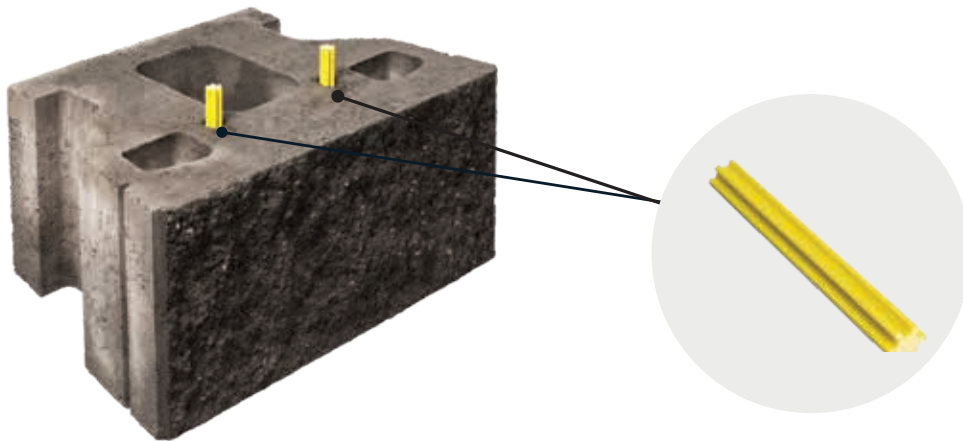
ROCKLOK® COLLECTION



Rocklok Fibreglass 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.



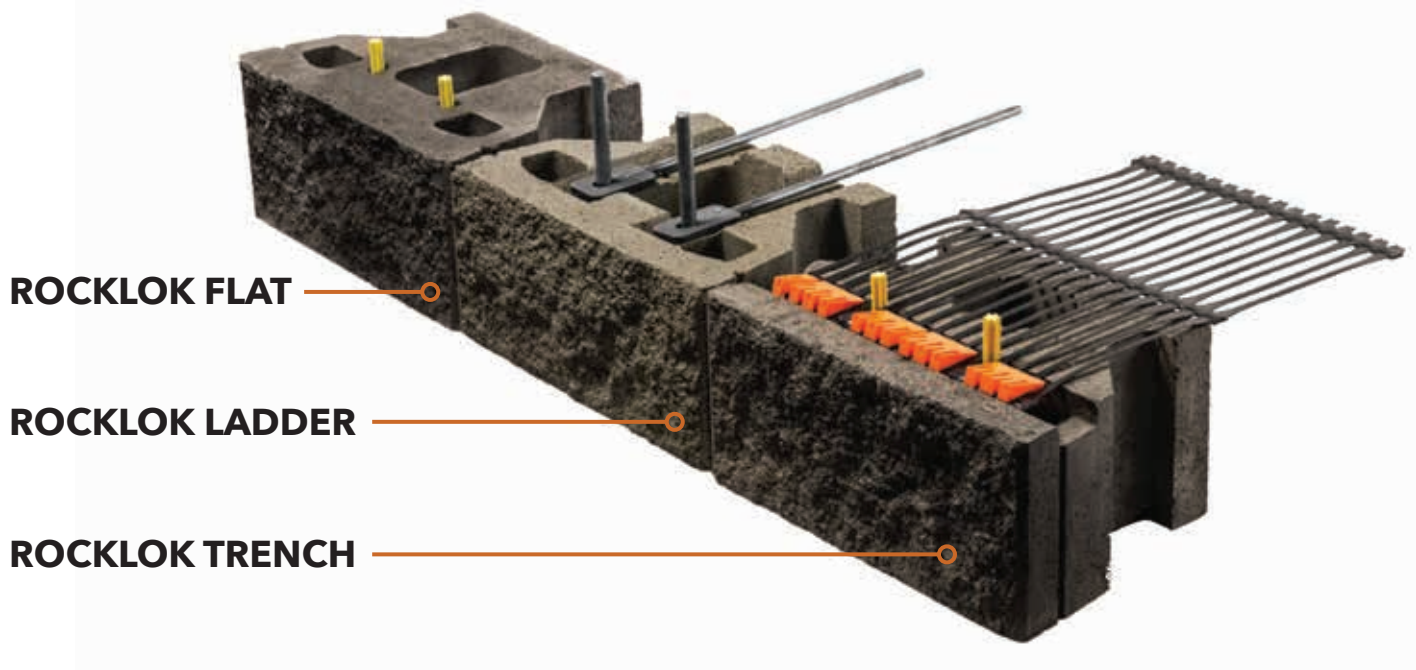
ROCKLOK®

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



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.

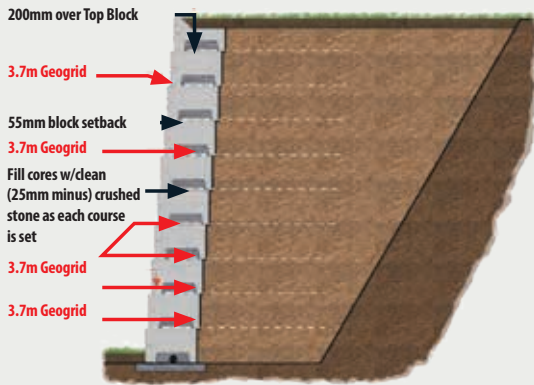
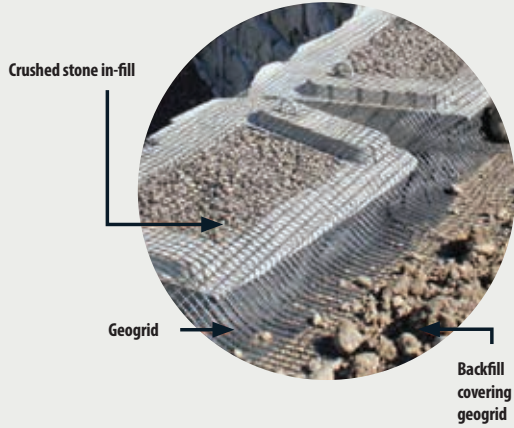
Bowers Masonry is New Zealand's local, licensed Verti-Block manufacturer.

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

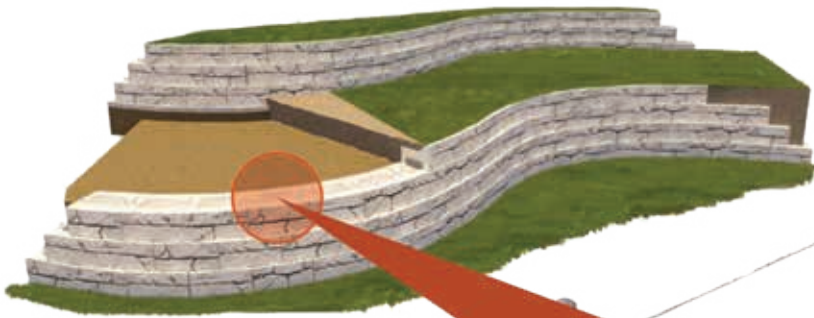
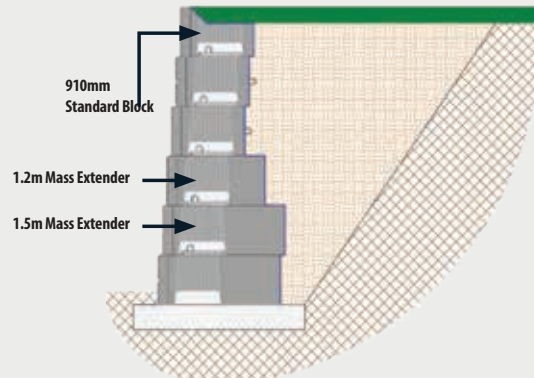
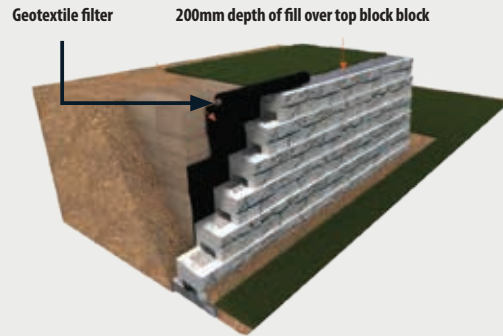
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REINFORCED VERTI-BLOCK WALL



INCREASE WALL HEIGHT & STABILITY WITH MASS EXTENDERS



CONVEX AND CONCAVE VERTI-BLOCK WALLS





AB® FENCE SYSTEM



CERTIFIED CONCRETE

Bowers Brothers Concrete is tested and meets specific quality and performance standards, ensuring that it performs as expected in various applications. Certifications include industry-specific standards and ensures that the concrete mix meets the required specifications for the intended use.

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



ROCKSALT



IRONSAND

Rock Salt is a mixed blend of Natural and Ironsands.

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.

BEST FOR

- Residential
- Commercial

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

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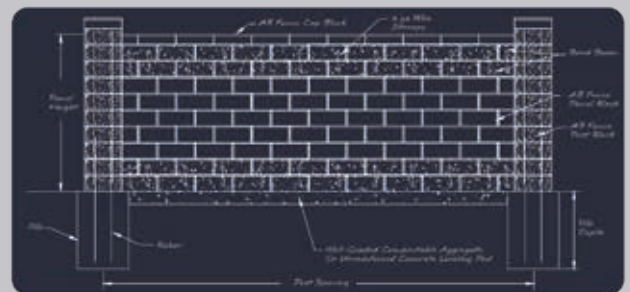


DESIGN WITH AB® FENCE WHERE TO BEGIN?

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.

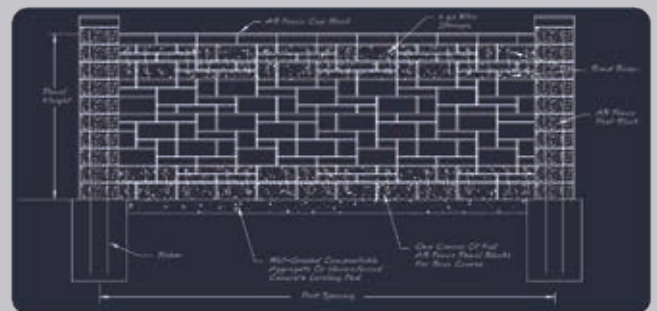
The strength of the AB Fence system is its ability to resist wind loads. These wind loads are determined based on the average wind speeds in the project area and the exposure characteristics of the surrounding area. Average wind speeds will depend on where the project is and what the local weather conditions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



allanblock.com

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) (mm)	WEIGHT (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) (mm)	WEIGHT (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



REDI-MIX CONCRETE RANGE

STANDARD CONCRETE
DECORATIVE CONCRETE
ENGINEERED CONCRETE



CERTIFIED CONCRETE

Bowers Brothers Concrete is tested and meets specific quality and performance standards, ensuring that it performs as expected in various applications. Certifications can vary by region and may include industry-specific standards and ensures that the concrete mix meets the required specifications for the intended use.



BOWERS REDI-MIX

WE'VE GOT YOU COVERED

Bowers Redi-mix is a reliable and comprehensive provider of concrete products and services the Waikato, Coromandel and North Auckland areas. With seven strategically located plants, Bowers Redi-mix commitment is to meet the concrete needs of a broad geographical area.

Bowers fleet of modern concrete trucks is a testament to our dedication to delivering quality products on time, which is crucial in construction projects. Offering colored concrete options and various aggregate choices on a made-to-order basis adds to our flexibility and commitment to accommodating diverse project requirements and achieving specific aesthetic goals.

Our focus on technical expertise and customer satisfaction underscores Bowers commitment to providing not only products but also valuable guidance and support to our customers. This is important, as construction projects often require specialised knowledge and advice.

No job is too big or too small, showcases Bowers willingness to work with a wide range of projects, from minor tasks to significant undertakings. This inclusivity of diverse products and services, solidifies our reputation in the concrete industry.

CONTACT THE REDI-MIX TEAM

MORRINSVILLE

51 Lorne Street

BATCHER 021 246 2599



0800 207 374

HAMILTON

52 Foreman Road

BATCHER 021 246 2588



0800 207 374

MATAMATA

Garland Street

BATCHER 021 961 411



0800 207 374

PUTARURU

7 Market Place

BATCHER 021 994 25



0800 207 374

PAEROA CONCRETE

16 Grey Street

BATCHER 027 487 9906



0800 207 374

BOWERS WHITIANGA

29C Moewai Road

BATCHER 021 961 411



07 866 0623

RIVERHEAD

23 Sawmill Road

BATCHER 021 724 315

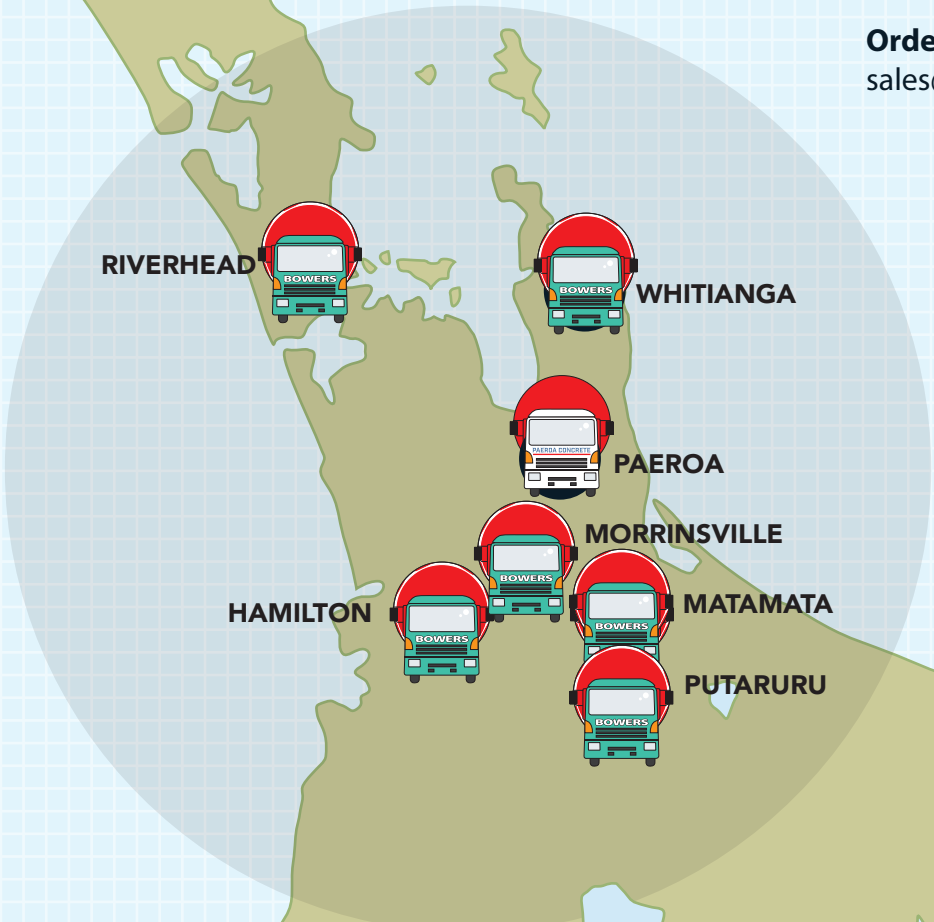


0800 207 374





Orders & Delivery Inquires
sales@bowersbrothers.co.nz



STANDARD CONCRETE

STANDARD STRUCTURAL
STANDARD PUMPED
BLOCKFILL
KERB MIXES



CERTIFIED CONCRETE

Bowers Brothers Concrete is tested and meets specific quality and performance standards, ensuring that it performs as expected in various applications. Certifications can vary by region and may include industry-specific standards and ensures that the concrete mix meets the required specifications for the intended use.



STANDARD STRUCTURAL CONCRETE

Standard concrete is a versatile construction material that can be customised to meet various needs and specifications.

AGGREGATE SIZE

19mm Aggregate: This size is widely used for both structural and non-structural purposes. It provides good strength and durability, making it suitable for a range of applications.

13mm Aggregate: This smaller aggregate size is preferred when greater workability is required, such as for smaller projects or when a smoother finish is desired.

COMMON USES

Paths: Concrete is often used for walkways and paths due to its durability and ease of maintenance.

Floors: Concrete floors are commonly found in industrial, commercial, and residential buildings.

Foundations: It is a popular choice for building foundations due to its strength and stability.

Driveways: Concrete driveways can withstand heavy loads and provide a smooth surface for vehicles.

Mowing Strips: These are strips of concrete used to separate lawns from other landscaped areas, making it easier to mow the grass.

Agricultural Solutions: Concrete can be used in agricultural settings for tasks like creating stable surfaces for machinery or livestock enclosures.

TECHNICAL INFORMATION

Slump: Slump is a measure of concrete's workability. Common slump ranges for standard concrete are typically between 80mm to 120mm. Higher slumps indicate more fluid or workable concrete, while lower slumps are less fluid and may be suitable for vertical applications.

Strength Grades: Concrete strength is usually specified in megapascals (MPa). The choice of strength grade depends on the intended application and load-bearing requirements. Strength grades for standard concrete can range from 10MPa to 50MPa. Lower grades are suitable for non-structural purposes, while higher grades are used in structural applications.

When using standard concrete, it's important to work have the right mix design and strength grade to meet your project's needs, Bowers can assist with the correct specifications. Proper curing and finishing techniques should also be employed to ensure the desired performance and appearance of the concrete.



STANDARD PUMPED CONCRETE

Bowers Brothers Concrete offers standard concrete pump mix with various strengths to meet different construction needs.

Concrete Mix Strength: We offer concrete mix with a range of strength grades, from 17.5 megapascals (MPa) to 50 MPa. This range allows customers to choose the appropriate strength for their specific construction requirements. Higher strength concrete is typically used for applications that require greater load-bearing capacity.

Slump Range: Our concrete mix can achieve a slump range between 100mm to 130mm. The slump is a measure of the consistency and workability of the concrete. This range allows for flexibility in applications where different levels of flowability are needed.

Common Uses: Bowers concrete mix is suitable for various applications, including paths, floors, driveways, foundations, and agricultural solutions. This versatility makes it a practical choice for a wide range of construction projects.

Accessibility: Concrete pumps are especially useful when sites are difficult to reach by traditional concrete delivery trucks. They can transport the concrete to locations that might be challenging to access otherwise.

Bowers concrete mix offering cater to a variety of construction needs, with options for strength and workability, making our product adaptable for different types of projects.

USEFUL ESTIMATING DATA FOR BOWERS HOLLOW MASONRY

BLOCKFILL VOLUME	15 SERIES	165 blocks/m ³
	20 SERIES	125 blocks/m ³
	25 SERIES	85 blocks/m ³

BLOCKFILL CONCRETE

Blockfill concrete is a specialised type of concrete mix designed for specific applications where high flowability and complete filling of voids are required.

Flowability: Blockfill concrete is known for its high flowability, which allows it to easily fill and reinforce blocks or structures with intricate shapes and voids. The spread ranges typically vary from 450mm to 600mm, the mix can naturally flow without additional consolidation.

Strength Grades: Blockfill concrete comes in a range of strength grades. Strength grades can vary from 17.5 MPa to 40 MPa or even higher, depending on the specific project requirements. The choice of strength grade should be determined by the structural needs of the application.

When working with blockfill concrete, it's essential to follow the manufacturer's guidelines and industry best practices to ensure proper mixing, placement, and curing. Additionally, consulting with a structural engineer can help determine the appropriate strength grade and mix design for your specific project needs.

COMMON USES

Blockfill concrete finds various applications in construction, including:

Retaining Walls: It is often used to fill the cores of concrete block retaining walls. Filling the cores with blockfill concrete adds strength and stability to the wall while reducing the risk of soil erosion.

Block Masonry Infill: In masonry construction, blockfill concrete can be used to fill the voids in concrete blocks, enhancing the structural integrity of the wall or structure. This is particularly important in load-bearing walls.

Specialty Applications: Beyond these common uses, blockfill concrete can be employed in other situations where high flowability and structural reinforcement are required.



KERB MIXES CONCRETE

Bowers Brothers Concrete provides a range of kerb mixes suitable for various applications.

Slump Ranges: The slump ranges offered by Bowers Brothers Concrete, from 0mm to 60mm, which provides flexibility in choosing the right consistency for your specific project. Lower slumps are typically used for applications like roadways, while higher slumps might be more suitable for garden kerbs.

Strength Grades: The strength of concrete is an essential factor in determining its suitability for different applications. Bowers Brothers Concrete offers strength grades ranging from 17.5 MPa (megapascals) to 50 MPa. These grades represent the compressive strength of the concrete mix, which can be selected based on the specific requirements of your project.

Certified Concrete: Bowers Brothers Concrete takes quality seriously. Certified concrete is often subjected to rigorous testing and quality control procedures to ensure it meets industry standards and specifications. This certification provides confidence in the performance and durability of our concrete mixes.

Applications: Bowers Brothers Concrete's kerb mixes are versatile, suitable for a range of applications including residential driveways, garden kerbs, machined roadside kerbs, roadway repair, rolled gutters, and channel construction. This versatility allows customers to select the appropriate mix based on their specific project requirements.

When working with concrete, it's crucial to choose the right mix based on factors such as project type, load-bearing requirements, and environmental conditions. Bowers Brothers Concrete's variety of slump ranges and strength grades provide flexibility to accommodate these factors, ensuring a successful and durable construction project.



DECORATIVE CONCRETE

EXPOSED AGGREGATE
COLOURED CONCRETE



CERTIFIED CONCRETE

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EXPOSED AGGREGATE CONCRETE

Exposed aggregate decorative concrete is a versatile and visually appealing option for various construction and decorative purposes. It offers a unique and eye-catching finish that can elevate the aesthetic appeal of surfaces while keeping costs relatively low compared to other premium materials like granite or marble.

Exposed aggregate concrete comes in a wide range of aggregate types, sizes, colours, and shapes. This diversity allows for creative freedom in achieving the desired aesthetic and texture, whether you're aiming for a natural, rustic look or a more modern and polished appearance. Exposed aggregate concrete can provide the appearance of high-end materials at a fraction of the cost. This makes it an attractive option for both residential and commercial projects that require an upscale look without the associated price tag.

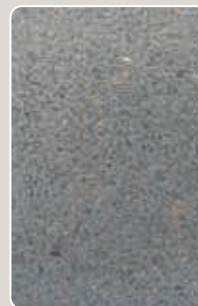
Like traditional concrete, exposed aggregate decorative concrete is durable and long-lasting. It can withstand heavy foot traffic, weathering, and other environmental factors, making it suitable for a wide range of applications such as driveways, patios, pathways, and pool decks. The exposed aggregate surface offers better traction than smooth concrete, making it a safer option for areas prone to moisture, like pool decks or outdoor walkways.

Contractors can get creative with the placement and arrangement of aggregates to create unique patterns, designs, and even incorporate custom logos or motifs. Exposed aggregate can be used in various applications, from residential projects like driveways and patios to commercial settings like public walkways, plazas, and even interior floors.

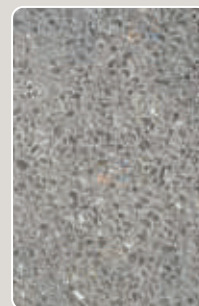
The technique of exposing aggregate has been used for decades and has stood the test of time due to its durability and aesthetic appeal. The unique and textured appearance of exposed aggregate can significantly enhance the curb appeal of properties, potentially increasing their resale value.

To achieve spectacular effects with exposed aggregate concrete, it's crucial to work with experienced contractors who understand the intricacies of the process. They can help guide choices regarding aggregate selection, placement, and finishing techniques to achieve the desired visual impact.

STANDARD COLOURS



MANGATANGI
PEBBLE



BULLS PEBBLE

MADE TO ORDER COLOURS*



URUTI STONE

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

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

Suitable for Paths, Patios
and Driveways

BEST FOR

- Residential
- Commercial

COLOURED CONCRETE

PETER FELL THE SPECIALISTS IN COLOURED CONCRETE

The collaboration between Bowers Brothers and Peter Fell offers a comprehensive range of coloured concrete solutions, catering to various design preferences and project requirements. This range includes a variety of bright, vibrant, and subtle tones that cater to a wide range of projects.

The PeterFell Coloured Concrete collection consists of over 80 colors to choose from, allowing customers to find the perfect hue for their specific project. To make the color selection process easier, PeterFell has categorised their colour range into seven distinct color categories. These categories offer options between PFL Special Colours and PFL Premium Colours, giving customers flexibility in choosing the right shade for their needs. This variety allows customers to achieve their desired aesthetic while also staying within their budget, thanks to the availability of both Standard and Premium Colour ranges.

It's important to note that, due to the natural properties of concrete, there may be variations in color, texture, and appearance between the sample colors and the final result of a project. This is a typical characteristic of concrete as a material.

For customers interested in viewing the PeterFell colour swatches, we have these available at Bowers Brothers' Head Office in Morrinsville. Alternatively, Bowers Regional Sales representatives can also bring these color swatches to customers upon request.





ENGINEERED CONCRETE

FLOWABLE FILL
SELF COMPACTING (SCC)
HIGH DURABILITY
FIBRE REINFORCED (FRC)
NO FINES



CERTIFIED CONCRETE

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FLOWABLE FILL CONCRETE

Flowable fill, also known as controlled low-strength material (CLSM) or flowable mortar, is a specialised type of concrete mix with unique properties. It has a flowable consistency, making it suitable for a variety of applications where ease of placement and minimal finishing are important.

USES

Backfill: Flowable fill is commonly used as a backfill material in construction projects. It can be poured easily into trenches or around utilities, providing support and reducing the risk of settlement.

Filling Voids: This material is excellent for filling voids, whether they are underground voids, abandoned tanks, or other empty spaces. Its flowable nature allows it to conform to irregular shapes.

Retaining Walls: Flowable fill can be used behind retaining walls to provide support and reduce the risk of settlement. It helps distribute the pressure evenly behind the wall.

Unused Structures: In cases where structures are being decommissioned or abandoned, flowable fill can be used to fill in and seal off certain portions of the structure, making it safe and preventing future access.

TECHNICAL INFORMATION

Low Strength: Flowable fill typically has low compressive strength, usually ranging from 1 to 10 megapascals (MPa). This makes it unsuitable for load-bearing applications but ideal for applications where structural strength is not a primary concern.

High Spread: Flowable fill is known for its high flowability. The spread, or slump, of flowable fill typically ranges from 400mm to 600mm, which means it can easily flow and fill voids without the need for compaction equipment.

Self-Compacting: Flowable fill is designed to be self-compacting, it can fill voids and spaces without the need for mechanical compaction. This property simplifies the construction process and reduces labour requirements.

Controlled Setting: Flowable fill can be designed to have a controlled setting time, ensuring that it sets and hardens at the desired rate for the specific application.

Flowable fill is a versatile material that offers significant advantages in terms of ease of placement and minimal finishing. However, it's essential to use it in appropriate applications where its low strength and flowable nature are beneficial rather than a limitation.



SELF COMPACTING (SCC) CONCRETE

Bowers self-compacting concrete (SCC) is a specialized type of concrete that offers several advantages due to its unique flow properties.

SCC is designed to flow into place without the need for mechanical vibration. It has a high level of workability, allowing it to fill even intricate spaces and congested steel reinforcement without the need for manual compaction efforts. This property makes it particularly useful in areas where traditional concrete placement might be challenging.

The ability of SCC to self-compact reduces the labour required for concrete placement. This can result in significant time savings during construction, as it eliminates the need for labour-intensive vibration processes.

APPLICATIONS

Formwork: SCC is commonly used in formwork applications, where it can easily flow into the form-work to create complex shapes and structures.

Moulds: SCC is suitable for creating moulds for various concrete products, ensuring that intricate details are filled without voids.

Precast Concrete: SCC is favoured in precast concrete manufacturing because it allows for efficient and consistent casting of precast elements.

Columns: SCC is used in column construction, especially in cases where densely reinforced columns are required.

Retaining Walls: It is also used in retaining wall construction, providing good flowability to ensure proper filling of form-work.

TECHNICAL INFORMATION

Spread Range: The spread of Bowers SCC typically ranges from around 600mm. This means the concrete can flow a considerable distance without manual assistance.

Strength: Bowers SCC can achieve high compressive strength, typically ranging from 30 MPa to 50 MPa. This makes it suitable for a wide range of structural applications.

Bowers self-compacting concrete is a highly flowable and versatile material that offers various benefits in construction projects.

HIGH DURABILITY CONCRETE

Bowers High Durability Concrete is a specialised type of concrete that has been enhanced with microsilica and additives to improve its resistance to chemicals and acids. This makes it particularly suitable for various applications where protection against corrosive substances and high durability are essential.

USES

Floors: Bowers High Durability Concrete can be used for industrial and commercial flooring where resistance to chemical spills and abrasion is required. It provides a durable and long-lasting surface for heavy traffic areas.

Foundations: This concrete is suitable for building foundations, especially in environments where the soil may contain chemicals or acids that can corrode traditional concrete over time.

High Strength: With compressive strengths ranging from 25 megapascals (MPa) to 50 MPa, this concrete is designed for applications that require high structural strength, such as structural beams, columns, or slabs.

Agricultural Solutions: Bowers High Durability Concrete can be used in agricultural settings, such as livestock facilities or grain storage, where exposure to chemicals or acids is a concern. It can help protect the structural integrity of these facilities.

BENEFITS

Durability: Bowers High Durability Concrete offers enhanced resistance to chemical and acid attacks, which can extend the lifespan of structures and reduce maintenance costs.

Structural Integrity: Its high compressive strength makes it suitable for load-bearing elements, providing long-term stability and safety.

Versatility: This concrete can be tailored to meet the requirements of different projects, whether they involve heavy-duty flooring, foundations, high-strength structural components, or agricultural applications.

TECHNICAL INFORMATION

High Strength (25 MPa - 50 MPa): The concrete's high compressive strength makes it suitable for load-bearing structures and applications where structural integrity is crucial. The specific strength can be adjusted based on project requirements.

Added Resistance: The inclusion of microsilica and additives enhances the concrete's resistance to chemicals and acids. Microsilica, also known as silica fume, is a pozzolanic material that can improve the concrete's durability and reduce permeability.



FIBRE REINFORCED (FRC) CONCRETE

Bowers offers a range of fibre-reinforced concrete solutions to cater to various construction needs. Here's a breakdown of the different types of fibre reinforcements they provide and their applications:

Structural Synthetic Fibre: These fibres are used to eliminate the need for traditional steel reinforcement in concrete structures. This can significantly speed up construction due to the reduced labour required for steel placement. The fibre are typically added to the concrete mix during the batching process before it is transported to the construction site. This method can be particularly advantageous for projects where speed is essential and steel reinforcement would be time-consuming.

Steel Fibres: Steel fibre is primarily utilised in industrial applications where enhanced resistance and construction speed are essential. These steel fibre come in various sizes and may have hook ends or crinkle-cut designs. They are mixed into the concrete to improve the structural integrity and durability of the finished product. Common industrial applications for steel fibre-reinforced concrete include warehouse floors, industrial pavements, and other high-stress areas.

Poly-fibre: Poly-fibre is a type of polypropylene fibre that is easy to mix into concrete. It is typically used as secondary reinforcing to help minimise the formation of micro-cracks in concrete caused by factors like plastic shrinkage and drying shrinkage. Poly-fibre is beneficial for applications where crack prevention and improved durability are important. Common uses for poly-fibre external concrete slabs, driveways, foundations, paths, and agricultural solutions.

Bowers offers a versatile range of fibre-reinforced concrete solutions to meet the specific needs of different construction projects. Whether you require structural synthetic fibre for labour-saving and speedy construction, steel fibre for industrial strength, or poly-fibre to reduce cracking and enhance durability, Bowers provides options for a variety of applications in the construction industry.



NO FINES CONCRETE

Bowers No Fines is a type of lightweight concrete that is characterised by the absence of fine aggregates (often referred to as “fines”), such as sand or fine crushed stone. Instead, it primarily consists of coarse aggregates (e.g., gravel or crushed stone) and cement paste. This unique composition results in a concrete mix with high permeability and specific properties that make it suitable for various construction applications.

Block Fill: Bowers No Fines concrete can be used to fill concrete blocks, which are commonly used in construction. Its high permeability can be advantageous in certain block fill applications, particularly when moisture control or drainage is a concern.

Retaining Walls: The high permeability of Bowers No Fines concrete can help with drainage behind retaining walls, reducing the potential for water build-up and pressure that could compromise the structure’s stability. no-fines concrete is ideal to be used in conjunction with our Allan Block retaining wall system as a fill option.

Moulds: Bowers No Fines concrete can also be used in moulds to create various precast concrete products with specific permeability characteristics.

Bowers No Fines concrete primary advantage is its high permeability due to the absence of fine aggregates. This feature makes it suitable for applications where controlled drainage, reduced water retention, or specific permeability properties are desired. It can be particularly beneficial in construction projects involving retaining walls, masonry infill, and block filling.



PRECAST RANGE

**WATER TROUGH RANGE
FEED TROUGH RANGE
HIGH BACK FEED TROUGH
BUNKER WALL RANGE
SEPTIC TANK RANGE**



CERTIFIED CONCRETE

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WATER TROUGHS RANGE



Bowers Brothers Concrete has a long history of manufacturing precast concrete water troughs for the farming community in the Waikato region. Precast concrete water troughs are essential for providing clean and reliable water sources for livestock, which is crucial for the success of farms. We offer a variety of shapes and sizes which is beneficial to different farming practices that have unique needs based on the size of their herds or the layout of their pastures.

Bowers focus on producing high-strength durable concrete components, is key when it comes to products that will be used in the agricultural industry. We commit to providing superior quality products to help ensure the satisfaction of our customers and contribute to the longevity of their business.

SHEEP TROUGHS

CAPACITY	WIDTH	HEIGHT	WEIGHT (Approx)
80 gal – 364 ltr	1.220m	416mm	350kgs
170 gal BCC – 772 ltr	1.770m	416mm	705kgs

PIG TROUGHS

DESCRIPTION	CAPACITY
66cm long	15Lt
91cm long	30 Lt
182cm long	66 Lt

CATTLE TROUGHS

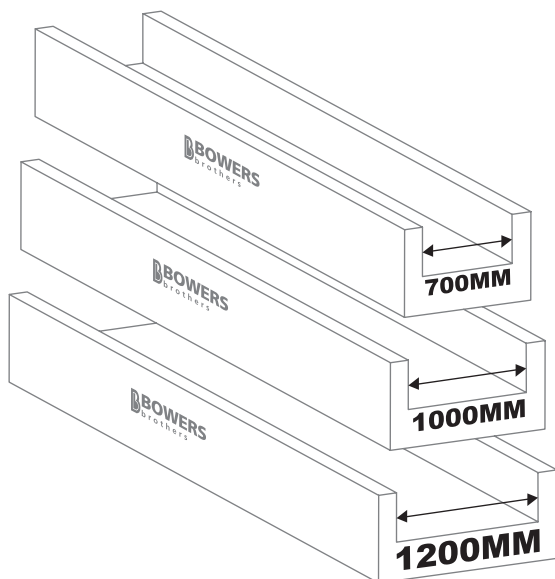
Up to 200 gal = 20mm socket & 250 gal to 500 gal = 25mm sockets			
CAPACITY	WIDTH	HEIGHT	WEIGHT (Approx)
110 gal – 500 ltr	1.125m	640mm	
150 gal – 682 ltr	1.415m	640mm	300kgs
200 gal – 910 ltr	1.500m	680mm	650kgs
250 gal – 1140 ltr	1.790m	640mm	750kgs
250 gal BCC – 1140 ltr	1.790m	640mm	1.3t
330 gal – 1500 ltr	1.860m	680mm	1.01t
330 gal BCC – 1500 ltr	1.860m	680mm	1.58t
500 gal – 2273 ltr	2.410m	620mm	1.65t



FEED TROUGHS RANGE

Bowers commitment to improving animal welfare, enhancing farm productivity, and providing durable solutions for livestock management is shown with our innovative precast feed troughs range.

The innovative false floor design makes feeding easier for livestock, ensuring they can access the feed without difficulty. The use of high-strength concrete makes the troughs durable and long-lasting, reducing the need for frequent replacements.



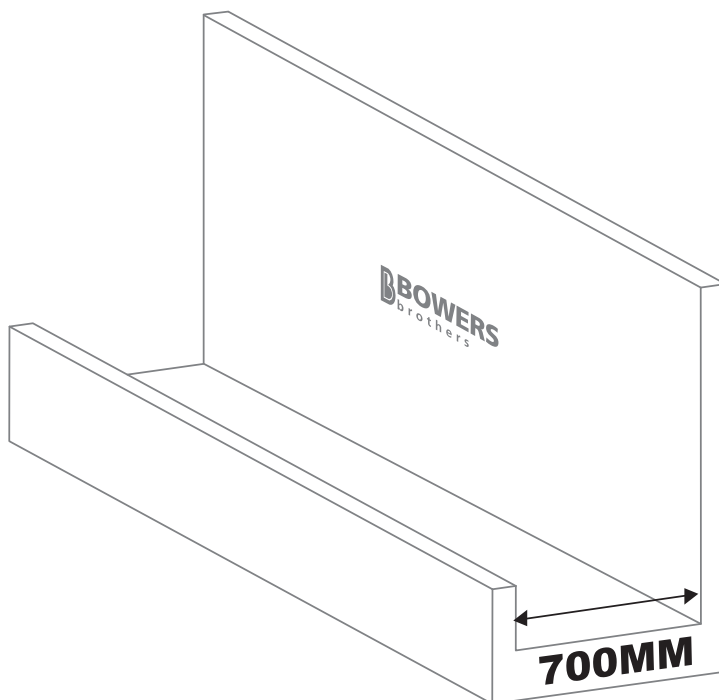
FEED TROUGHS

	700mm	1m	1.2m
Length	3000mm	3000mm	3000mm
Overall Width	900mm	1200mm	1450mm
Overall Height	650mm	650mm	650mm
Floor Height	280mm	280mm	280mm
Internal Depth	370mm	370mm	370mm
Weight	1.2 tonne	1.4 tonne	1.6 tonne



HIGH BACK FEED TROUGH

Bowers Brothers' unique open-ended troughs and high-back feed troughs. have many cost-saving benefits and unique features. Open-ended troughs provide reduced maintenance and more efficient feeding processes. The high-back feed troughs with one high side offer a distinct advantage, they can be positioned strategically at the boundary of a feed pad or raceway, eliminating the need for additional fencing. This not only saves on fencing costs but also simplifies the layout of your feeding area.



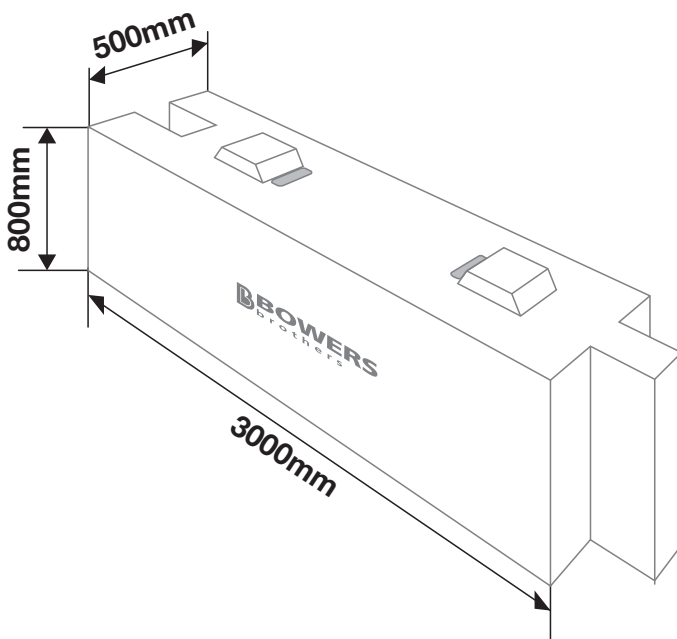
HIGH BACK FEED TROUGH

	700mm
Length	3000mm
Overall Width	900mm
Overall Height (back wall)	1200mm
Floor Height	280mm
Internal Depth	370mm
Weight	1.4 tonne



BARRIER BLOCKS

Bowers Barrier Block interlocking units are heavy and robust, making them suitable for use as walls in commercial and farming storage facilities. It's essential to follow the recommendation of bracing the corners to ensure the structural integrity of the assembled units, particularly when used for storage purposes. These units are designed to be placed on top of existing pads or concrete floors. Each of these units weighs 3 tonnes (3,000 kilograms). Barrier Blocks are versatile and can be used in both commercial and farming applications. They also serve well as walls for storage facilities, such as warehouses, barns, or other storage structures.



BARRIER BLOCKS

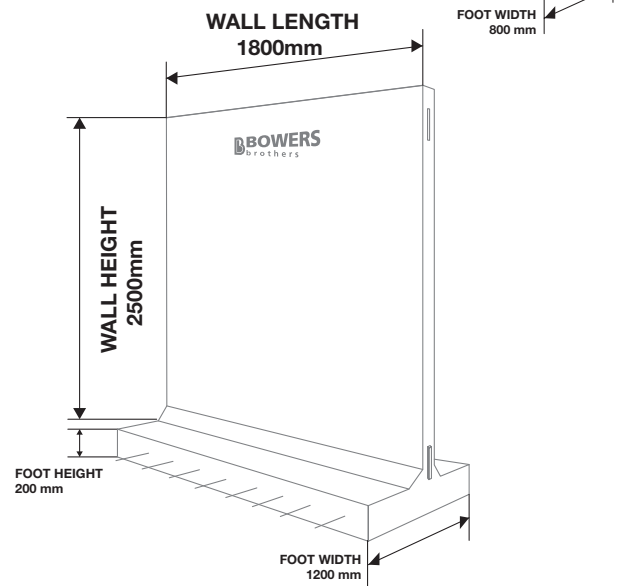
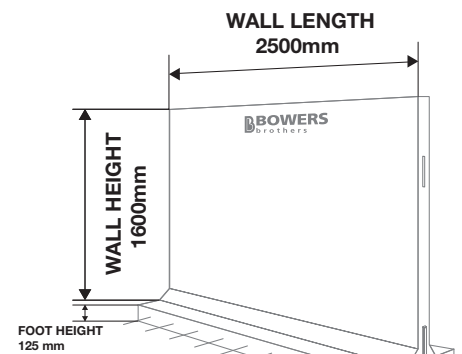
	3m BARRIER BLOCK
Weight	3.0 tonne
Height	800mm
Length	3000mm
Foot Height	
Foot Width	500mm



T-BAR BUNKER WALLS

Bowers Precast T Panel Bunker Walls offer a practical and cost-effective solution for various agricultural applications, including feed storage bunkers. These precast concrete panels are designed to provide structural integrity, durability, and ease of installation, making them a popular choice for farm operations of all sizes. Bowers Precast T Panel Bunker Walls are manufactured off-site and then transported to your farm, significantly reducing on-site construction time. This allows for quicker project completion and minimal disruption to your operations.

Precast T Panel Bunker Walls can be an excellent choice for feed storage on farms, offering speed, durability, and customisation. To get started with the design and construction process, it's a good idea to contact the experienced team at Bowers for a consultation and to address any specific requirements you may have.



T-BAR BUNKER WALLS

	1.6 m HIGH WALL	2.5 m HIGH WALL
Weight	1.6 tonne	3.0 tonne
Height	1600mm	2500mm
Length	2500mm	1800mm
Foot Height	125mm	200mm
Foot Width	800mm	1200mm



SEPTIC TANKS

Bowers Brothers offer a wide selection of septic tanks designed to meet the needs of both residential and commercial applications. These tanks are available in various sizes to accommodate different requirements. They are constructed using reinforced high-strength concrete, which is a durable and reliable material for septic tanks. Manufactured in reinforced high-strength concrete provides structural integrity and longevity, which can withstand the weight and pressure of soil and wastewater for extended periods, reducing the risk of damage or deterioration over time.

SEPTIC TANKS

INLET & OUTLET SUPPLIED	WEIGHT
3000 Lt Single Chamber 3.1m x 1.2m x 1.3m High	2.0 tonne
4200 Lt Single Chamber 3m x 1.3m x 2m High	2.5 tonne
4200 Dual Chamber	2.75 tonne
5000 Lt Single Chamber 2.8m x 1.7m x 1.8m High	3.3 tonne
5000 Lt Dual Chamber	3.6 tonne
Biotube Filter	

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