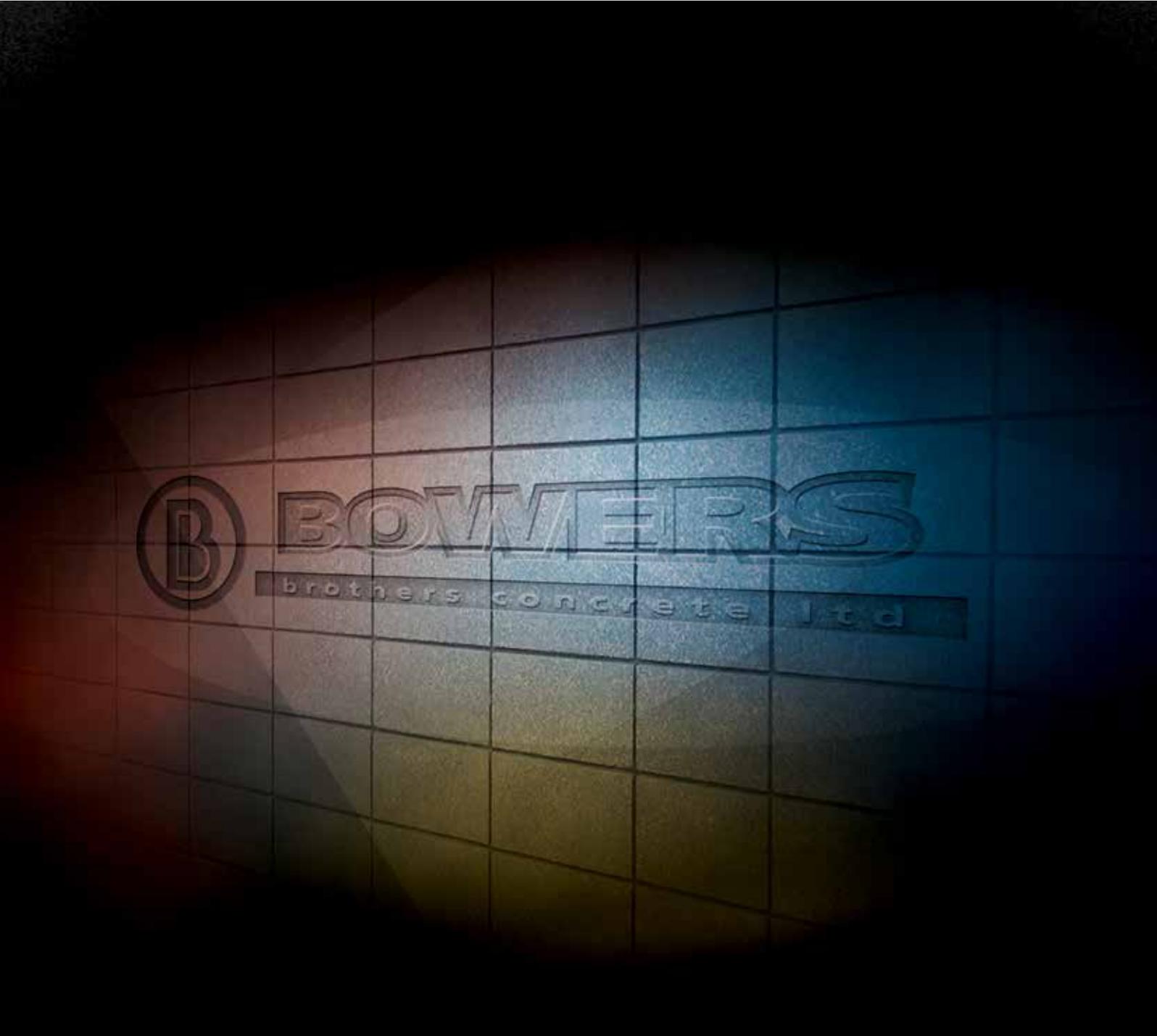


MASONRY BLOCKS



10 series / 15 series / 20 series / 25 series / Architectural Finish / Versaloc

ABOUT US

Bowers Brothers Concrete are a family owned concrete manufacturing company that has been in the business for over 80 years. In that time we have established branches throughout the Waikato including Morrinsville, Hamilton, Matamata, Putaruru and Paeroa (known as Paeroa Concrete).

We manufacture and deliver redi-mixed concrete from each of our five branches while two block plants manufacture Masonry Blocks, Pavers, Retaining Wall and Landscape products.

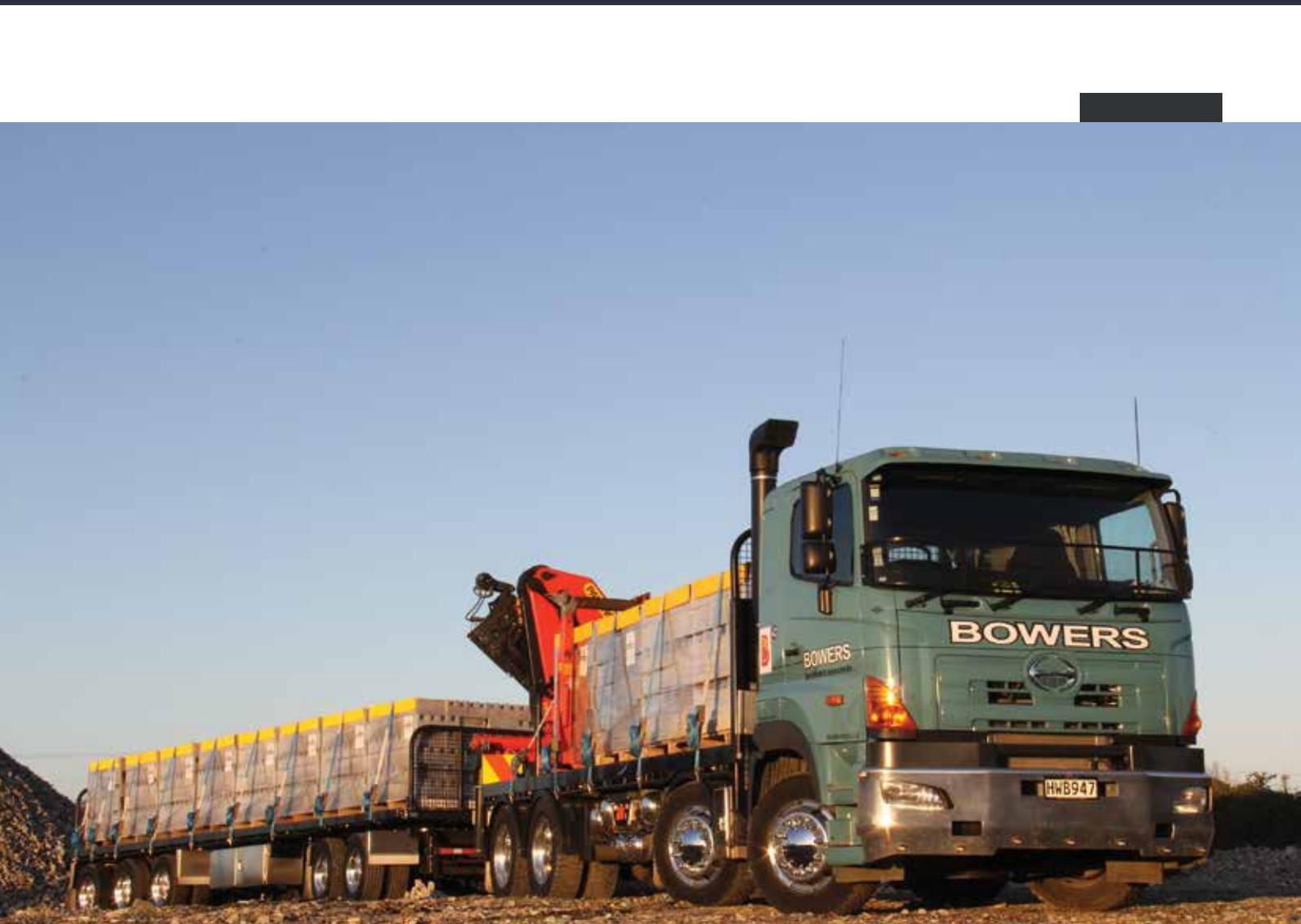
With our state of the art Columbia block machines we strive to produce consistently high quality masonry products.

STANDARD MASONRY

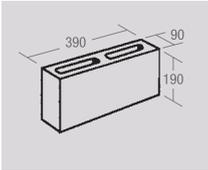
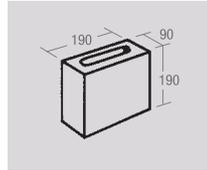
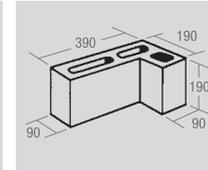
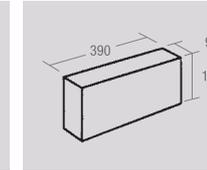
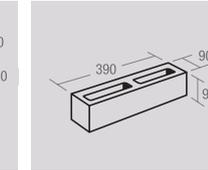
Low maintenance is the key for choosing Bowers Blocks. Our blocks are made with exceptionally high quality concrete to ensure our customers have years of trouble free living, while providing added strength, noise control, protection from fire and comfort to your build.

ARCHITECTURAL FINISHES

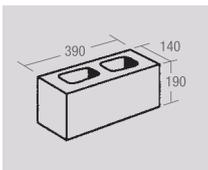
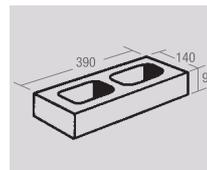
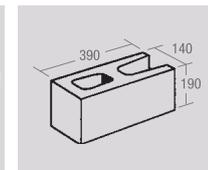
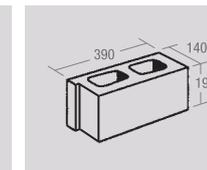
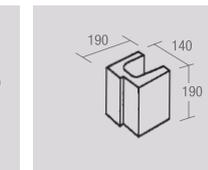
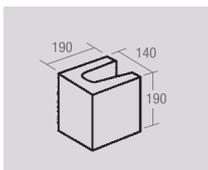
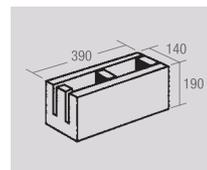
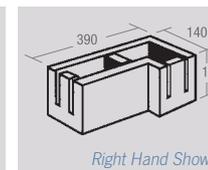
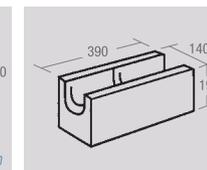
We are able to assist with your architectural masonry needs. We can add to the aesthetic appeal of a standard block, either left in its natural state or by creating a range of coloured blocks or assist in achieving a Fairface, Honed or Shot Blasted finish.



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	15.09 Rebate 120 per pallet	15.11 Rebate Lintel 200 per pallet
		 <i>Right Hand Shown</i>		
15.12 Half Lintel 240 per pallet	15.14 Knock Out Bond Beam 120 per pallet	15.15 Corner Bond Beam Left or Right 102 per pallet	15.16 Open End Bond Beam 120 per pallet	

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.

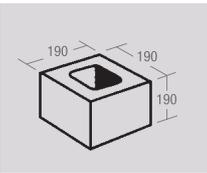
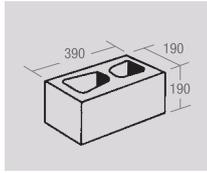
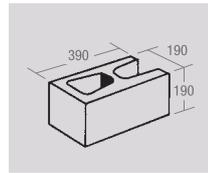
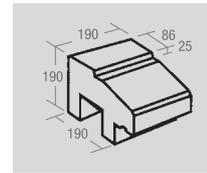
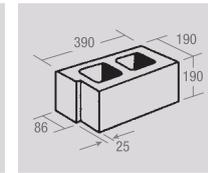
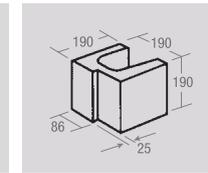
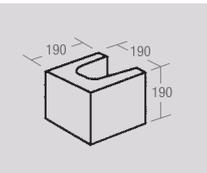
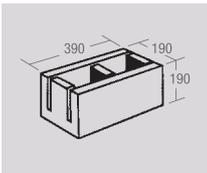
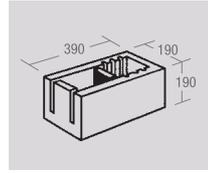
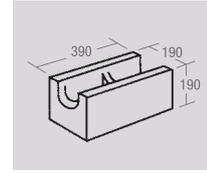
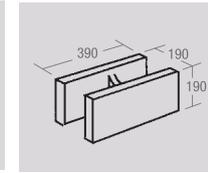
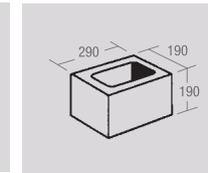
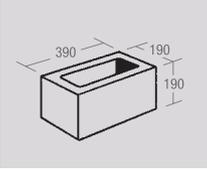
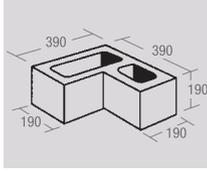
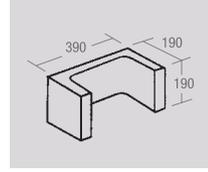
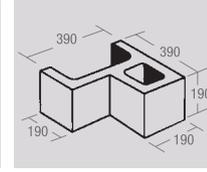
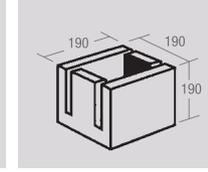
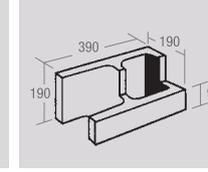
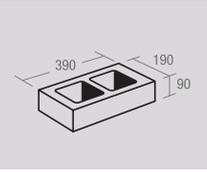
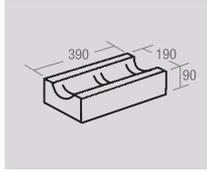
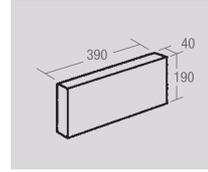
Colour and Texture may vary between block types.

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.

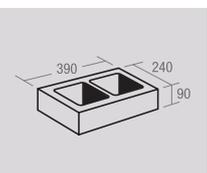
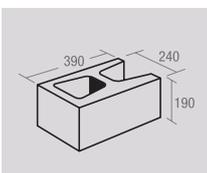
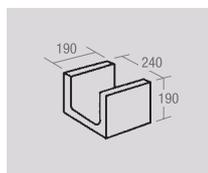
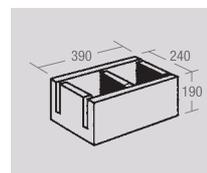
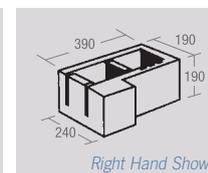
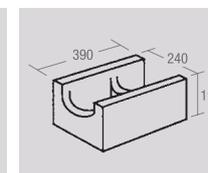
BLOCKRANGE

20/25 SERIES

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 Half 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 100 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
					
H20.04 Standard Half High 180 per pallet	H20.14 Half High Bond Beam 180 per pallet	517 Capping Block 300 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

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.

FINISHES

FAIR FACED BLOCKS

EXPOSED BLOCK WORK

Check the block layer is a registered Licenced 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 onsite. 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, this is in no way a guarantee.

COLOURED MASONRY



Coloured masonry blocks can be used with either a Fair Face, Honed or Shot Blasted finish.

We manufacture coloured blocks on a Made to Order basis.

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

We strongly recommend you limit the amount of block types you use in a job as every block type made, may have a different shade or texture.

Speak to your local Rep to see how we can help.

FINISHES

SHOT BLASTED BLOCKS

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 Face 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.



ON SITE HONING



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.

The Versaloc® Walling System is a new Dry Stack walling system which creates significant productivity gains by allowing units to be stacked together without the use of mortar.

ADVANTAGES OF THE VERSALOC® WALLING SYSTEM

- Dry Stack system
- Rapid construction
- 4 hour fire rating*
- No formwork needed on first course
- Construct during inclement conditions
- Unique interlocking design
- Significantly reduces mess on site
- Detailed bevel provides shadow lines
- Eliminates the need for termite control products
- Ready to build
- Maximum flow for improved core fill
- Increased unit to unit interlock
- No need to hose out cores



*4 hour fire rating for Versaloc® 200mm and 300mm series. 2 hour fire rating for Versaloc® 150mm series.

FEATURES



Interlocking tongue and groove joints



Self locating top lugs



Clean wall with shadow lines

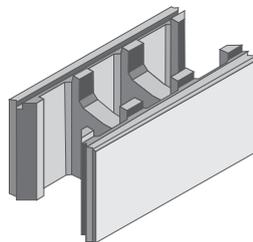
The Versaloc® Walling System was developed in consultation with masonry construction stakeholders with an aim of reducing labour time required for concrete masonry walling.

The Versaloc® Walling System is designed in accordance with the Concrete Structures Code AS3600 and is suitable for all forms of unit work in commercial, industrial and residential construction.

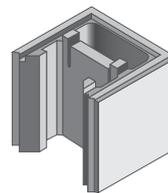
THE VERSALOC COMPONENTS

The Versaloc® Walling System features a number of specifically designed units to reduce the need for cutting on site making wall construction even quicker.

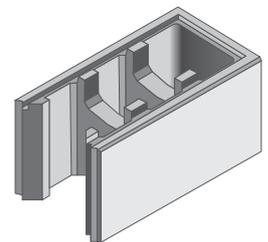
200 Series



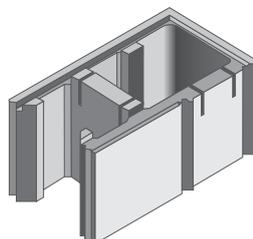
Standard Unit
400mm x 200mm x 190mm
90 per pallet



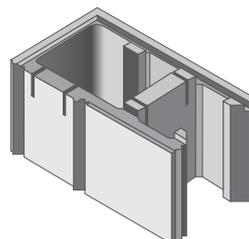
Half Unit
200mm x 200mm x 190mm
120 per pallet



End Unit
400mm x 200mm x 190mm
90 per pallet



Righthand Corner Unit
390mm x 200mm x 190mm
90 per pallet



Lefthand Corner Unit
390mm x 200mm x 190mm
90 per pallet

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
Versaloc =	125 blocks/m ³

Units per square metre

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

RECOMMENDATIONS

We recommend that this product is installed by a Licensed Building Practitioner, qualified in Brick & Block Laying in accordance with NZS 4210.



www.bowersbrothers.co.nz

BOWERS BROTHERS CONCRETE LIMITED
Concrete Manufacturers & Redi-Mix Operators

Morrinsville/Head Office

51 Lorne Street

Ph (07) 889 6774 Fax (07) 889 3177

0800 207 374

Email sales@bowersbrothers.co.nz

BOWERS BROTHERS CONCRETE
ARE PROUD TO SUPPORT:



**PROMOTING,
SUPPORTING &
EDUCATING
THE MASONRY
TRADES**

www.brickandblocklayersfederation.co.nz



Local Reseller