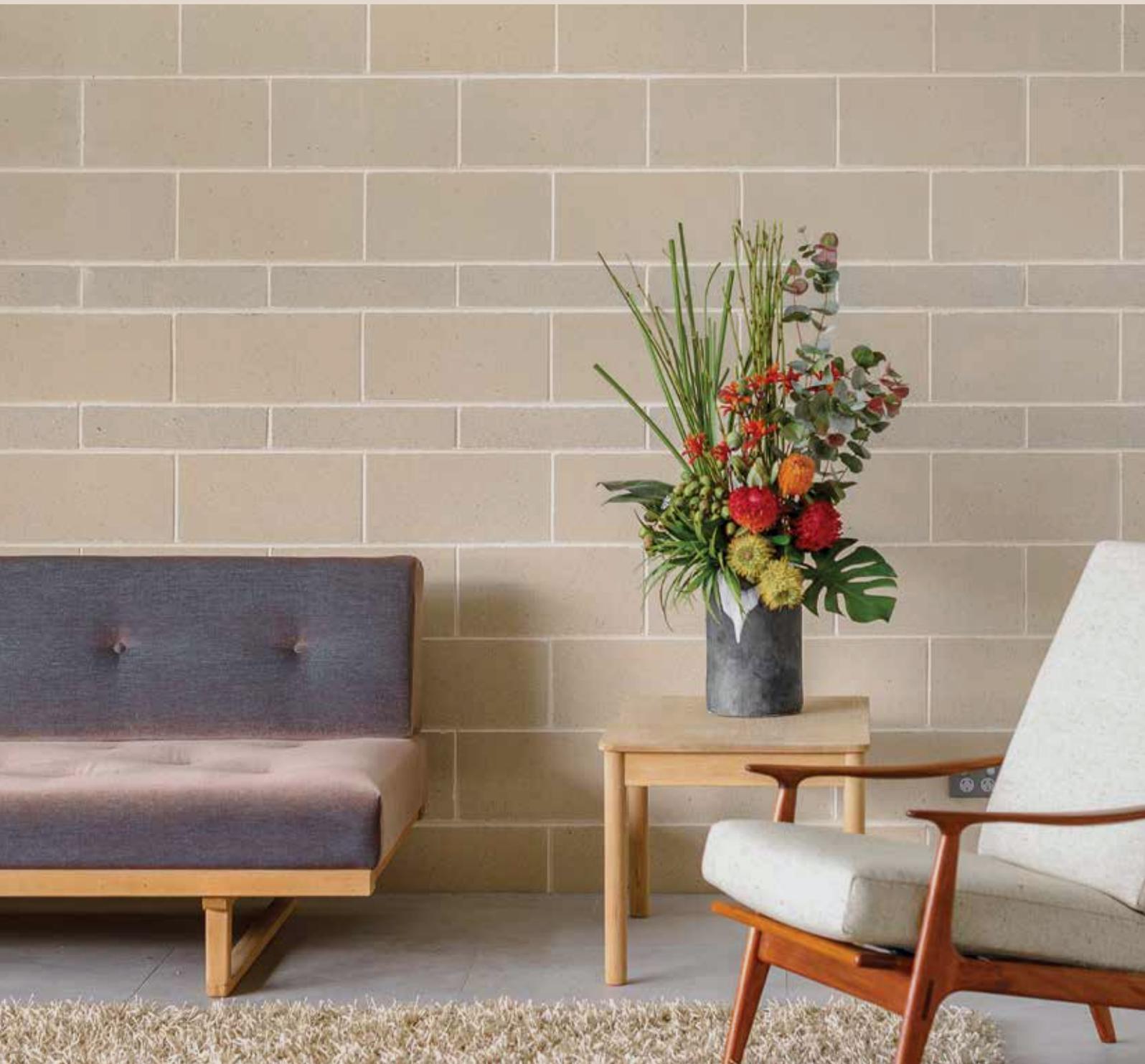


Architec Coloured Masonry Blocks

New South Wales & Victoria



What's inside

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- 2 – Our Range p⁰⁵
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A BRAND OF
BRICKWORKS



Architec

Products
that last
a lifetime



The Benefits

When considering building products to use on your project it's important to understand all the pro's and con's. You know you're making the right choice when you consider the host of benefits our Architec range offers.

Here's what makes Architec so unique:



More affordable

For a premium product, our coloured concrete masonry range offers an affordable option.



Extensive colour range

Concrete masonry products are available in a vast range of colour and finish combinations.



Low maintenance

Minimal maintenance, maximum impact. You're guaranteed a long-lasting, tough, and easy to care for solution.



All-weather resistant

Heavy storms. Blistering heat. Sub-zero frosts. While they are not waterproof, our products are designed to hold up to virtually anything our weather systems are capable of throwing at it.



Fire-resistant

All of our products are non-combustible and highly fire resistant – making them ideal for bushfire prone areas.



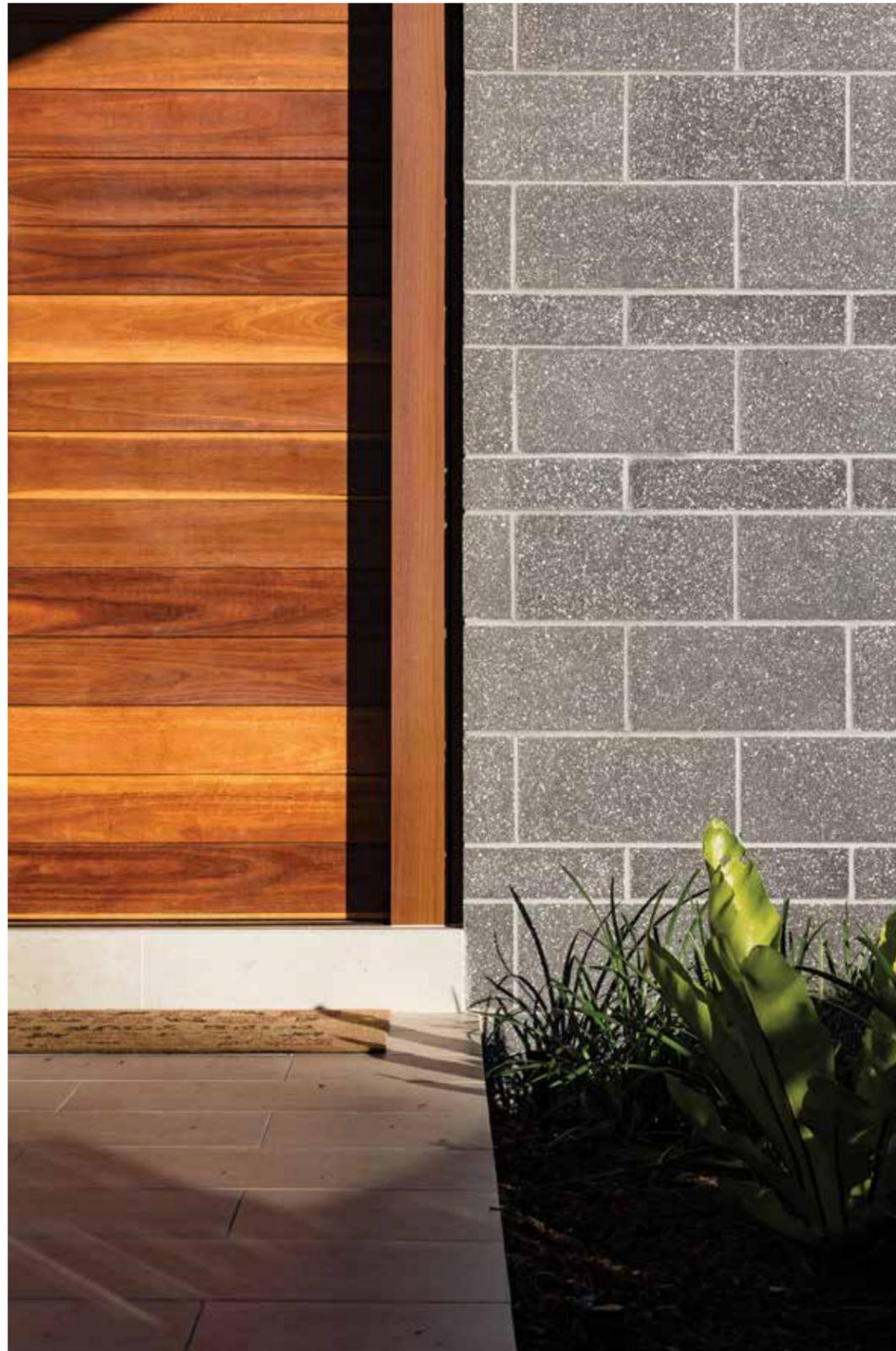
Termite resistant

With no organic wood materials present in our concrete formulations, our masonry range is naturally termite resistant.



Speed of construction

Concrete masonry products are much faster to build with than some commonly used walling materials and have the added benefit of being both structural and aesthetic.



Our Range

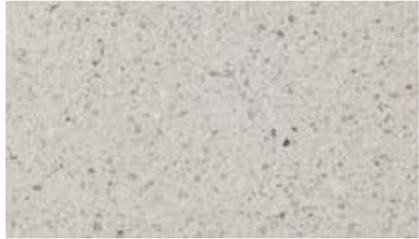
- Architec Honed
- Architec Polished
- Architec Split Face
- Architec Smooth



Architec Honed

Embrace the elegance of this block as its subtle sparkle of natural aggregate shines through. The honing process grinds 2-3mm from the block surface, producing a matt exposed-aggregate finish.

Colours



Alabaster*



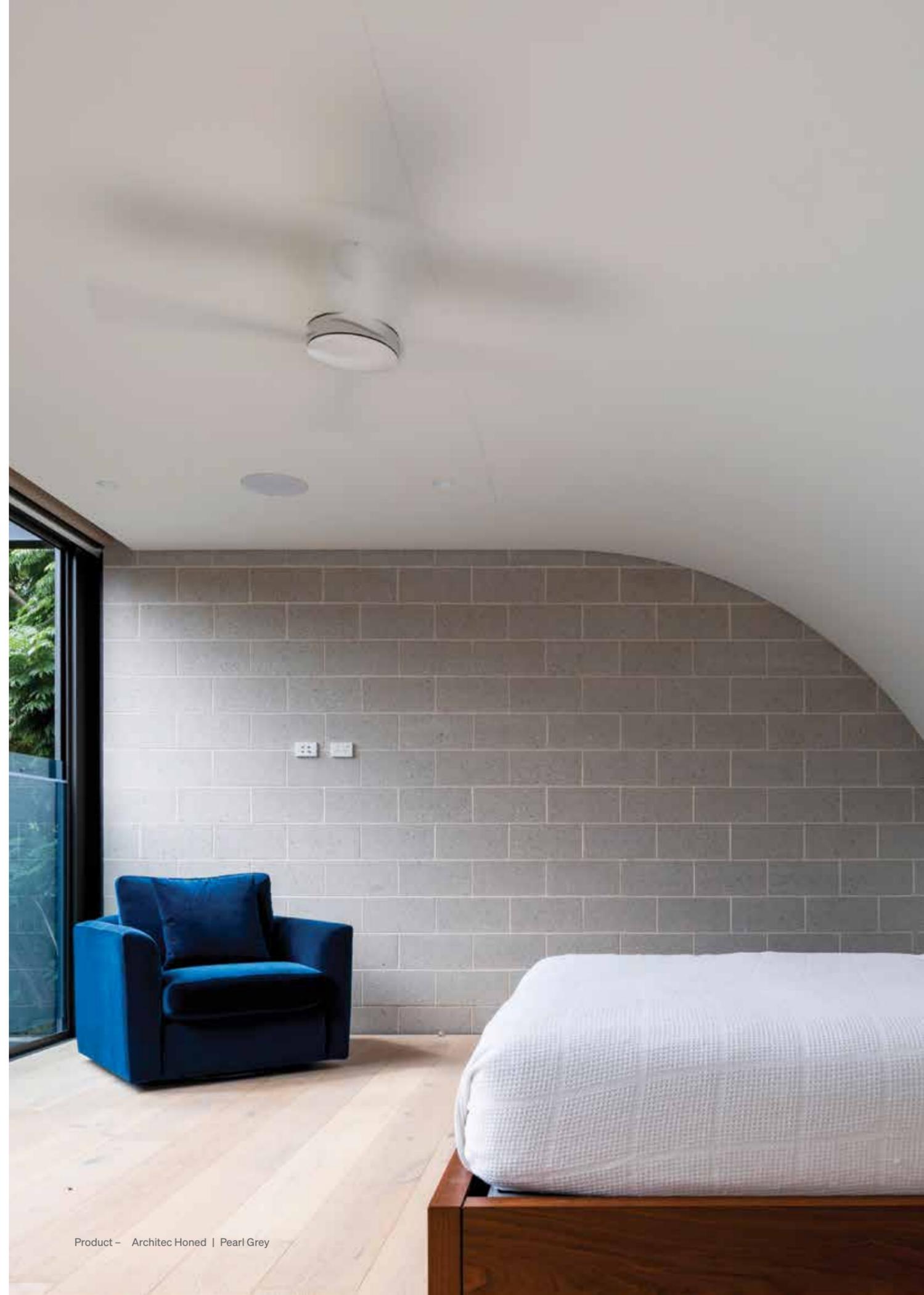
Almond*



Pearl Grey*



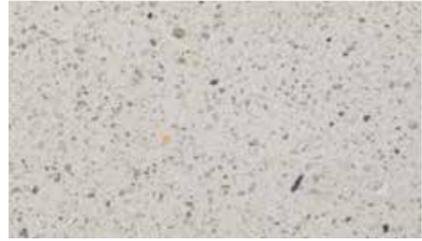
Charcoal*



Architec Polished

The polishing process reveals the aggregate used in the blocks composition, giving them a lustrous high gloss finish.

Colours



Alabaster*



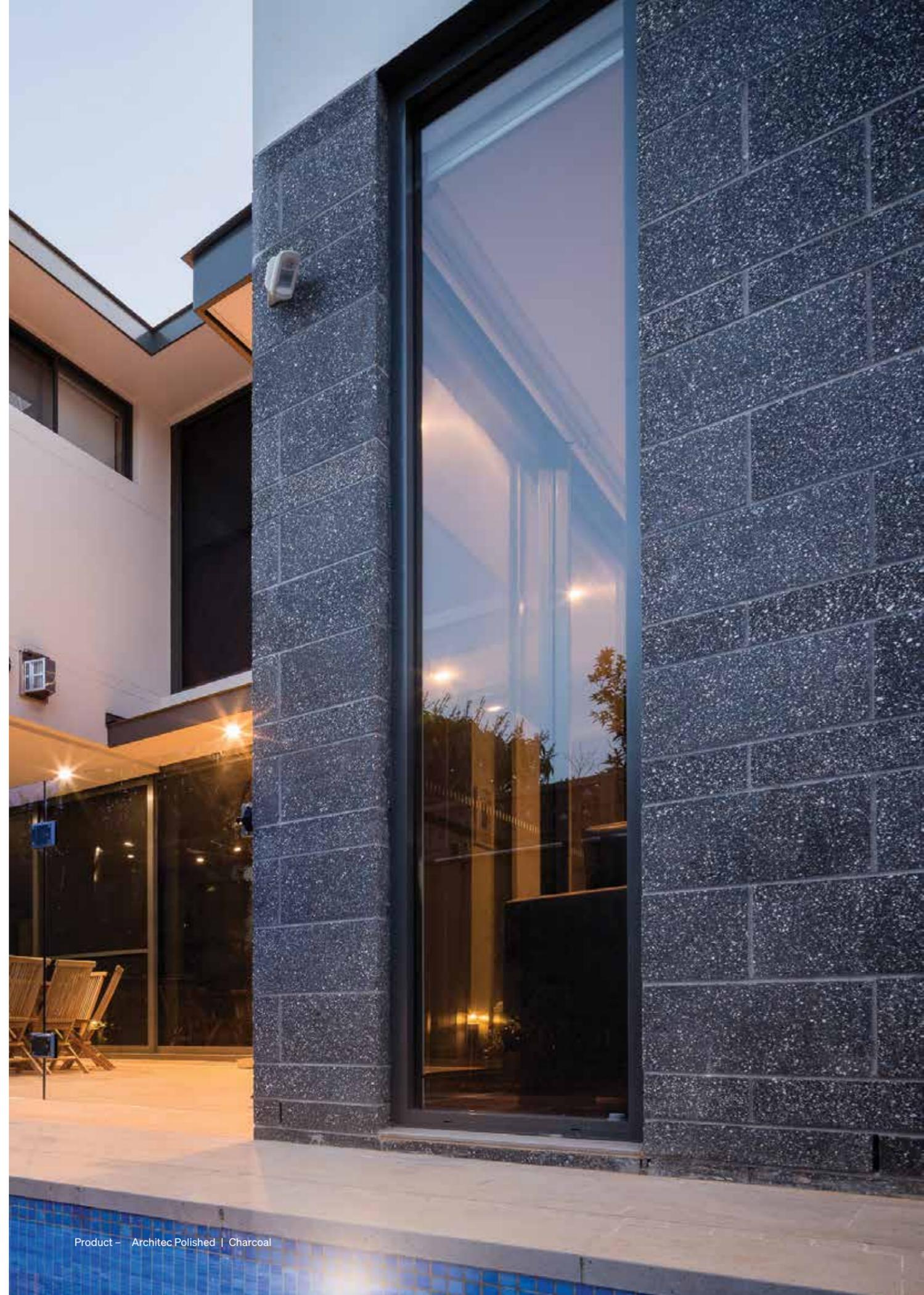
Almond*



Pearl Grey*



Charcoal*



Architec Split Face

The rustic finish of split face creates a distinctive look. The splitting process used to create these blocks produces a bold textured, exposed aggregate finish.

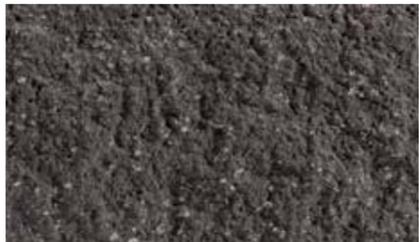
Colours



Alabaster



Almond



Charcoal



Pearl Grey



Architec Smooth

Its smooth surface gives a soft glow to any project. Offering contemporary colours from Alabaster to Pearl Grey, there's an option to suit most colour schemes.

Colours



Alabaster



Almond



Charcoal



Pearl Grey

Please note:

Architec Smooth 200 series is only available in combination packs of 90 units with: 75 x 20-42 Recessed Web and 15 x 20-01 Full blocks.

Architec Smooth 150 series is made to order in combination packs 120 units with 105 x 15.42 recessed web and 15 x 15.01 full blocks. Minimum order quantities apply.





Technical Guide

- Range of Sizes
- Core Filling and Corner Bonding

2

Range of Sizes

The Architec collection is available in a range of sizes to suit various applications.

Material qualities for mortar

One cubic metre of mortar will lay approximately 800 to 1200 200 series blocks.

Mortar mix

Mortar mix options in AS3700 include cement; lime and sand in 1:1:6 proportions for M3 (General Purpose) and in 1:0.5:4.5 proportions for M4 (Exposure Grade). While these make better mortar, the adjacent mixes, without lime, are more common. The following mixes are based on one 20kg bag per mix.

M3 Mortar Mix General purpose

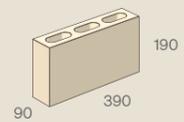
One 20kg bag of Off-White cement and oxide with 100kg clean sand. (18 shovels at 5.6kg) 0.1kg of Dynex or similar methyl cellulose plasticiser. This yields 0.08 cubic metres and will lay 60 to 100 Architec™ Blocks.

M4 Mortar Mix Exposure grade

One 20kg of Off-White cement and oxide with 80kg clean sand. (14 shovels at 5.7kg) 0.1kg of Dynex or similar methyl cellulose plasticiser. This yields 0.06 cubic metres and will lay 50 to 75 Architec™ Blocks.

100 Series

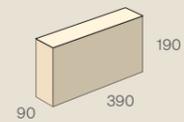
10-01
Full



Finishes:
Polished
Honed
Smooth

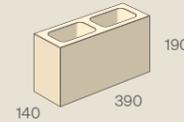
150 Series

10-31
Solid



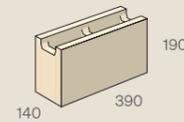
Finishes:
Polished*
Honed*
Smooth*

15-01
Full



Finishes:
Polished*
Honed*
Smooth*

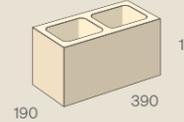
15-42
Recessed web



Finishes:
Polished*
Honed*
Smooth*

200 Series

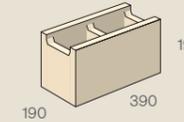
20-01
Full



Finishes:
Polished^
Honed^
Smooth^

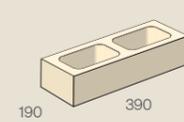
300 Series

20-42
Recessed web



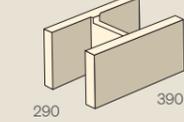
Finishes:
Polished^
Honed^
Smooth^

20-71
Half Height



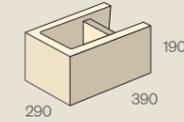
Finishes:
Polished*
Honed*
Smooth*

30-48
H Block



Finishes:
Smooth^

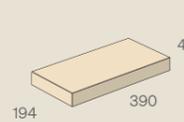
30-92
Open End



Finishes:
Smooth^

Capping

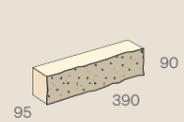
50-31
Capping



Finishes:
Polished*
Honed*
Smooth

100 Series

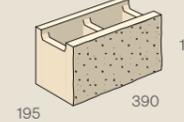
10-109
Half high



Finishes:
Split Face Φ

200 Series

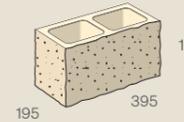
20-142
Recessed web



Finishes:
Split Face

200 Series

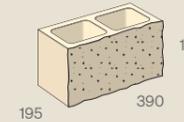
20-139
Corner blocks



Finishes:
Split Face

200 Series

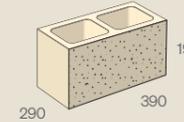
20-121
Full



Finishes:
Split Face

300 Series

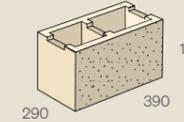
30-121
Full



Finishes:
Split Face*

300 Series

30-142
Recessed Web



Finishes:
Split Face*

The dimensions noted on this page apply to smooth and shot blast finished products. Polished and Honed are 2mm thinner.

* These sizes are not held in stock and will be made to order. All Honed and Polished products are made to order only. Minimum order quantities apply.

† These items are stocked in Charcoal only.

^ 20.01 & 20.42 are sold as combination pack of 90 units with 75 x 20.42 & 15 x 20.01

^ 15.01 & 15.42 are sold as combination pack of 120 units with 90 x 15.42 & 30 x 15.01

Core Filling and Corner Bonding



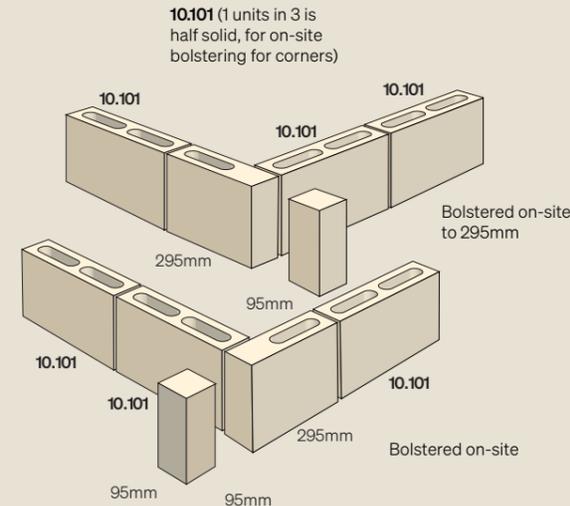
Core filling

When core filling Architec walls some seepage may occur due to high hydrostatic pressure. Ensure it is cleaned off before it dries, otherwise staining will occur. It is essential that the block work is kept clean from mortar smears. This will eliminate the need for aggressive acid based cleaning solutions which can damage the face or change the colour of the concrete blocks. Storey height walls should be filled in 2 lifts to reduce hydrostatic pressure.

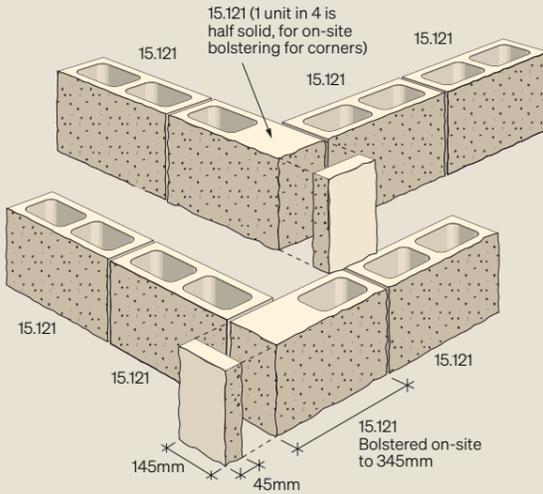
Joints should be finished with an ironing rod to make them smooth, dense and more water resistant. (Mandatory in severe marine environments). Raked joints are NOT permitted in hollow blocks (unless corefilled as per AS3700).

Load bearing and non-load bearing masonry walls must be designed to withstand 0.5kPa pressure and to comply with AS3700 Part 4.6.

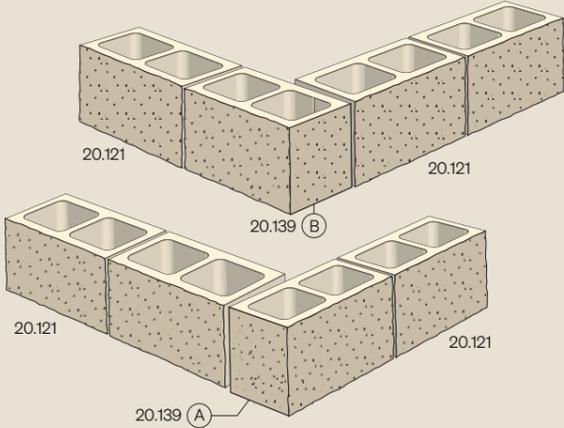
100 Series Corner



150 Series Corner



200 Series Corner



Helpful tips

Block information and some helpful tips before you get started.

1.

Block thickness

Blocks are available in a series of five thicknesses:

- **100mm Series**
90mm total block thickness
- **120mm Series**
110mm total block thickness
- **150mm Series**
140mm total block thickness
- **200mm Series**
190mm total block thickness
- **300mm Series**
290mm total block thickness

2.

Block types

Blocks are manufactured to three levels of coring:

- **Solid**
A solid block with no core hole
- **Cored**
< 30% core hole volume
- **Hollow**
>30% core hole volume

3.

Modular planning

The dimensions of masonry units are based on a 100mm module.

The actual size of units shown in this catalogue are generally 10mm smaller than their nominal size to allow for joint thickness. For example, a block having an actual length of 390mm will be classified as having a nominal length of 400mm.

4.

Block laying

Dry units are essential. Blocks should never be wetted prior to the application of mortar.

Blocks should be kept dry when stored on site before use. Whenever work is stopped, the tops of walls should be covered to prevent moisture entering the cores of the blocks.

Blocks should be laid with the thickest shell uppermost. Care shall be taken not to allow mortar to drop into cores if it is to be grouted. A clean out course is recommended and usually specified.

5.

Jointing

The mortar squeezed from the joints should be struck off flush with the wall as each block is laid. When the mortar has stiffened and is firm to the touch, it should be firmly compacted with a jointing tool. This compaction is important since mortar, when hardening, has a tendency to shrink slightly.

6.

Flashing

In cavity walls, flashing shall be placed at an angle across the cavity to discharge moisture towards weep holes. Turn up ends to prevent moisture draining into cavities. Flashing and capping should be provided to the tops of all parapets.

7.

Control joints

When required, control joints should be located:

- At major changes in wall height,
- At changes in wall thickness, other than for piers and buttresses,
- At control joints in footings, in the roof, and in floors,
- At chases and recesses for pipings, columns, fixtures, etc.
- At one or both sides of wall openings,
- Near wall intersections.
- Other than as above, unreinforced masonry should have control joints at 6m centres. 16m if adequately reinforced.

8.

Bond beams

A bond beam is a continuous beam around the exterior of a building for the purpose of providing lateral stability to the walls, and to minimise the possibility of shrinkage cracking at openings. Bond beam blocks should be filled with concrete or grout as specified and suitable reinforcing steel. Reinforcement should be not less than 12mm deformed bars.

9.

Blending

Your bricklayer is a professional tradesman and is responsible for ensuring even colour distribution. The blending instructions attached to all packs recommend:

- Don't mix blocks of different types or qualities (for example, firsts and seconds).
- Work from at least three open packs of the same block type and quality.
- Select the top block from a top corner of each pack.
- Work progressively from a corner down and across each pack in a diagonal pattern. (Don't remove blocks in horizontal layers.)

10.

Cleaning

Care should be taken during construction of masonry walls to prevent excess mortar being smeared over the faces of the blocks. Finished walls should be cleaned down after the mortar has hardened by rubbing with a piece of block or carborundum stone, wire brushing where necessary. Acid must not be used for cleaning concrete masonry walls.

11.

Delivery

Delivering your blocks is the first step in the construction process. Here are a few simple guidelines to help with a smooth delivery:

- Deliver ahead of time, preferably at least a day before work commences. Please give us at least 48 hours notice for subsequent deliveries.
- Take as many blocks as you can in one delivery to ensure priority service and efficient on-site blending.
- Help us find you by giving us a clear street address, including the nearest crossroad. Tell us of any obstacles such as narrow, dead-end or one-way streets etc. Place job site signs prominently.

- Blocks are heavy and a tractor with a full pack weighs about five tonnes. Ensure the ground (including underlying pipes) and any pavement traversed can sustain this weight. Our tractors need at least 2.5 m clear width and 2.6 m height clearance.
- Inspect the delivery and call Austral Masonry™ immediately if there are any problems. Product liability transfers to the purchaser once the units are installed.

Mortex Preblended Mortar

Mortex is a factory manufactured, quality assured premixed M4 rated mortar solution. Its consistency can save labour time, increase efficiency, remove the need for on site blending, and it is compliant with AS3700:2018. Mortex takes the guess work out of mortar blending and reduces the potential for under strength, non compliant mortar use.

This can ultimately reduce potential liabilities, saving money and time on rectifications. With the adoption of ISO9001:2008 principles, the mortar constituents are accurately measured and blended in a controlled environment to ensure consistent, homogeneous mortar is produced on-site.

Colours

White mortar is currently the most popular colour. This is made by mixing light coloured cement and white sand and results in a traditional brick and mortar look. Mortar can be coloured by adding powdered or liquid pigments to the mortar as it is being mixed by the block layer. It can also be tinted to match the brick colour, giving a very even wall colour.

Please confirm with your block layer what their mortar colouring offering is before making your final decision.

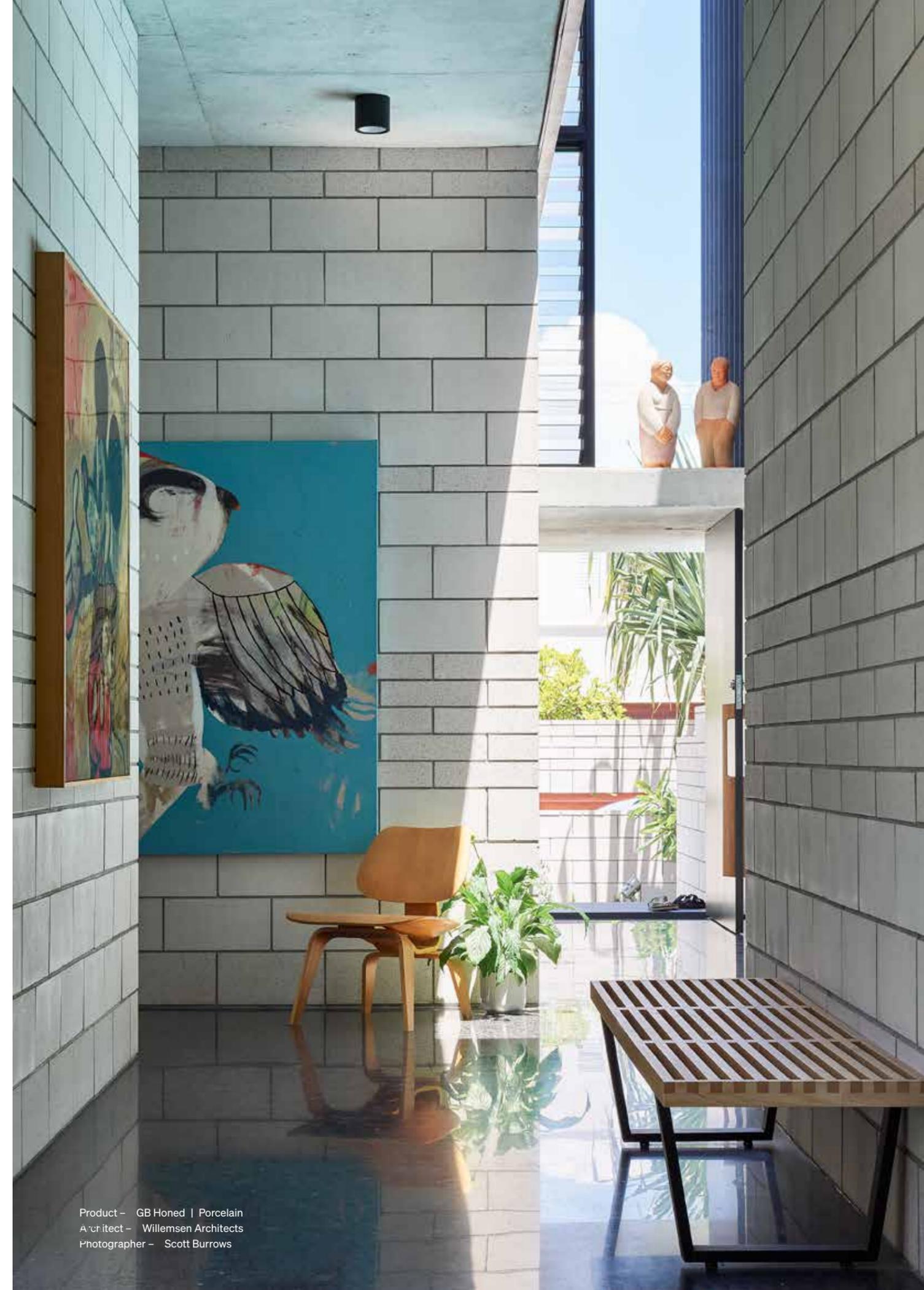


MORTEX White

MORTEX Grey

MORTEX Charcoal

Please refer to the MORTEX Charcoal Technical Data Sheet for installation and cleaning guidelines before use.



Ideas for Inspiration

Whatever your ideas, your local Brickworks Design Centres and Studios have the products to turn them into reality.



Bricks and Advanced Brick Systems

We offer Australia's largest collection of bricks, with an extensive range of colours and finishes. Our advanced brick systems offer a brick finish with increased speed and ease of installation.

Blocks and Breeze Blocks

Our block and breeze blocks are available in an extensive range of colours, sizes, and finishes designed to complement modern architectural designs.

Roofing

Explore our concrete, terracotta and solar roofing selection. Practical and clean-lined, our roofing products are designed to add style to your project whether residential or commercial.



Pavers

We offer a vast paving range which includes a range of styles, colours and finishes to suit modern landscape designs.

Natural Stone

Our Granite, Marble, Limestone and Porcelain flooring products are crafted to complement inspired outdoor spaces.

Retaining Wall Blocks and Concrete Sleepers

Our retaining wall range offers options to suit DIY, general landscaping or large scale commercial retaining wall applications.



Wall Cladding

We offer a collection of ceramic, terracotta and natural stone wall cladding products crafted to suit residential and commercial applications.

Limestone Blocks*

The limestone block range is sourced through quarries in Western Australia.

Mortar and Accessories

From preblended mortar, to concrete sealers and mortar additives, we offer a host of installation accessories.



Backed by Brickworks

Local expertise. Global quality. Brickworks Building Products are one of Australia's biggest building material producers. With heritage going all the way back to one of Australia's founding brick producers, we're proud of our reputation for design, innovation and sustainability.

BRICKWORKS

AUSTRALIA



NORTH AMERICA



INTERNATIONAL BRANDS



Get in Touch

For more information, advice and samples get in touch with the Austral Masonry team.

Visit. australmasonry.com.au

Call. 1300 Masonry

Design Centres and Studios

Horsley Park

Tel. 02 9830 7777
2 Latitude Road
Horsley Park NSW 2175

Canberra

Tel. 02 6239 1286
7 Lithgow Street
Fyshwick ACT 2609

Albion Park

Tel. 02 4257 1566
45 Princes Highway
Albion Park NSW 2527

Punchbowl

Tel. 02 9915 9100
62 Belmore Road North
Punchbowl NSW 2527

Beresfield

Tel. 02 4944 6711
2 Yangan Drive
Beresfield NSW 2322

Sydney

Tel. 02 9611 4200
2 Barrack Street
Sydney NSW 2000

Bowral

Tel. 02 4861 3031
1 Kiama St
Bowral NSW 2576

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The product images shown in this brochure give a general indication of product colour for your preliminary selection. Austral Masonry recommends all customers see actual product samples at a selection centre prior to making final selections. 1. Stock colours. Colours other than stock colours are made to order. Contact your nearest Austral Masonry office for your area's stock colours. A surcharge applies to orders less than the set minimum quantity. 2. Colour and texture variation. The supply of raw materials can vary over time. In addition, variation can occur between product types and production batches. 3. We reserve the right to change the details in this publication without notice. 4. For a full set of Terms & Conditions of Sale please contact your nearest Austral Masonry sales office. 5. Important Notice. Please consult with your local council for design regulations prior to the construction of your wall. Councils in general require those walls over 0.5m in height and/or where there is loading such as a car or house near the wall be designed and certified by a suitably qualified engineer. 6. Max wall heights disclaimer. The gravity wall heights are maximum heights calculated in accordance with CMAA MA-53 Appendix D guidelines and a qualified engineer should confirm the suitability of the product for each application. As such, due consideration must be given to but not limited to: Cohesion. Dry backfill, no ingress of any water into the soil behind the retaining wall. All retaining walls are designed for zero surcharge unless noted otherwise. These walls are intended for structure Classification A walls only as defined in AS4678 Earth Retaining Structures as being where failure would result in minimal damage and/or loss of access.

Visit. australmasonry.com.au

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