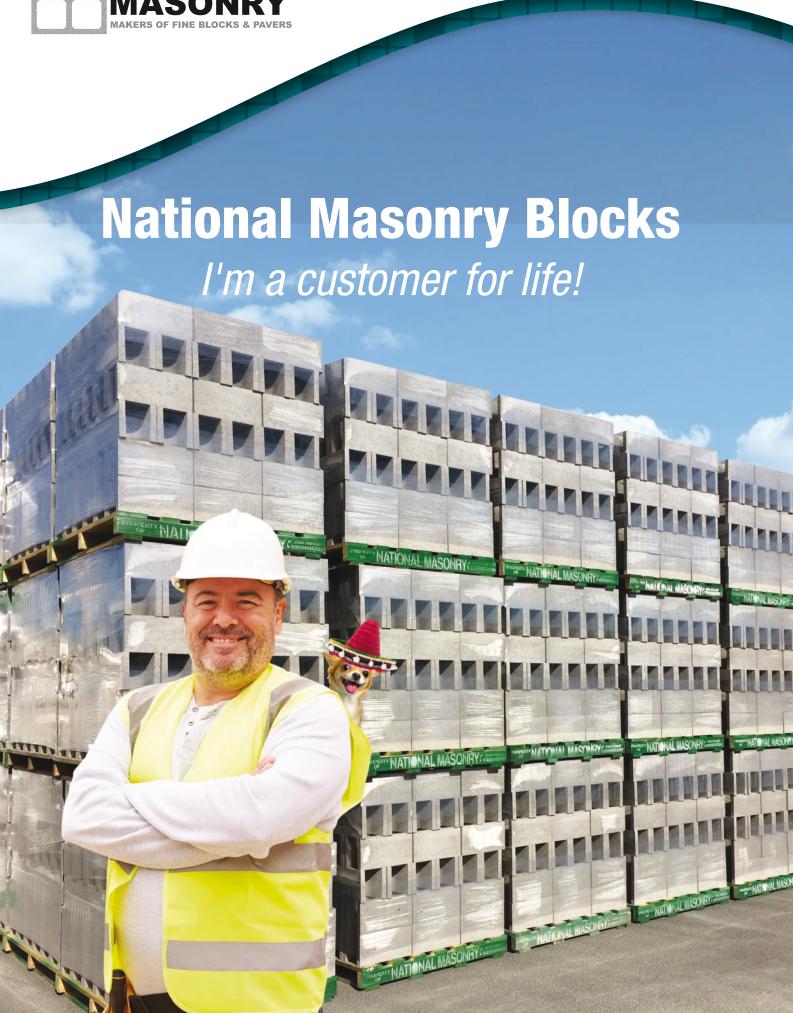


2021 Product Guide South QLD & NSW



Blocks & Bricks

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About National Masonry®

National Masonry® has quickly established itself as the industry leader with exceptional product quality and outstanding customer service with a clear vision of customers for life. We are obsessed with ensuring every customer has a memorable experience with us and to leave you with no doubt that you have made the right choice.

National Masonry®, the new benchmark in masonry.

Pallet Return

All pallets remain the property of National Masonry®

Call to Arrange Pickup

Call your local branch during office hours.

1800 066 089

Online Booking Pickup

Use our Pallet Collection Form on our website

www.nationalmasonry.com.au

Product Disclaimer: Concrete Blocks, Bricks, Pavers and Retaining Wall products supplied by National Masonry® are manufactured using raw materials that inherently vary in nature. Whils all effort is made to produce uniformity in our range of products, variation in colour, texture, and finish can be present. The dimensional characteristics of all products are nominal and variations in length, height, and width can occur from unit to unit which needs to be taken into consideration when installing these products.

Architectural Designer Range Overview

Create groundbreaking spaces of distinction with National Masonry's Architectural Designer Range. Designer Blocks are available in Smooth, Shot-Blast, Honed or Polished finishes. Designer Blocks are also available in Split Face texture. ULTRA BRICKS are available in a clean, crisp Smooth finish. In all, hundreds of combinations of size, texture and colour are at your imagination's command.

Value Added Finishes

Value added (Shot-blast, Honed, Polished and Split Face) Designer Blocks are supplied as single face products unless extra faces are value added at your request (except Breeze Blocks which are Honed on both faces). The reverse side of Split Face blocks is not suitable for face work and cannot be value added. When only one face is value added, the back side of the block may not be suitable as a face finish due to the value adding process. If both faces are value added, both faces will be suitable for face work but care will be required when laying as there may be 2-5mm difference in the width of the individual blocks due to the various value adding processes.

Important Designer Range Information

Lead Time - As Designer Block and ULTRA BRICK is generally made to order, lead times apply to all orders for these products. Longer lead times apply to Honed, Polished, and Shot Blast finishes. Please phone us to confirm our current lead times.

Colour and Texture Variation - Some variation in colour of blocks. aggregates and texture may occur due to natural variations in raw materials. Colour variation can also occur from batch to batch making it essential to order all product requirements at the same time. National Masonry® recommends fractional blocks are cut on site to maintain colour consistency. Blocks can be cut to order.

Blending - To obtain a consistent finish and mitigate colour variation, National Masonry® strongly recommends "blending" which is drawing product from multiple pallets on-site.

Laying - Care must be taken by the bricklayer to keep Designer Blocks and ULTRA BRICKS free of mortar smears and drips while laving, as heavy mortar stains can be difficult to remove without permanently damaging the surface.

Storage - Designer Blocks and ULTRA BRICKS must be kept dry on site before use and when laid. Freshly laid walls must be covered overnight and when rain interrupts work in order to prevent mortar stains and excessive moisture entering exposed cavities. Failing to do this will increase the likelihood of efflorescence.

Mortar - Coloured Designer Range blocks (but not ULTRA BRICKS) contain an efflorescence inhibitor. To complete the system, an additive must be used in mortar mix. National Masonry® supply and recommend TECH-DRYAD Mortar Additive. The consumption of additive varies significantly, 20 litres of mortar additive may lay approximately 1000-1500 Tech Dry Blocks.

Sealing - All Designer Blocks should be cleaned and sealed with a quality sealer after installation. Failure to do so dramatically increases the likelihood and severity of efflorescence and general

See our Architectural Designer Block brochure or visit our website at www.nationalmasonry.com.au for more information, laying, cleaning and maintenance guides and extensive photo galleries

Designer Blocks are Made to Order in Charcoal, Coco. Platinum, Pearl Grey, Glacier and Macadamia colours.

Smooth, Shot-Blast, Honed and Polished Face



10.01 Standard 10.3 kg 195 per pallet

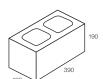


10.02

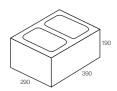
8.1 kg

15.22

15.01 Standard 12.7 kg 144 per pallet



20.01 Standard 16.2 kg 108 per pallet



30.01* Standard 22.3 kg 72 per pallet



Half 15.3 kg 144 per pallet

* Note: Smooth Face only.

Note: Shot-blast, Honed & Polished only.



12.703

7.3 kg

300 per pallet

Half

10.31

Solid

15.03

7.7 kg

20.42

16 kg

30.925#

20.6 kg

20.127

8.75 kg

180 per pallet

Standard Half Height

Single Core

72 per pallet

Channel

108 per pallet

14.8 kg

156 per pall

10.03 Three Quarter Half 5.7 kg 360 per pallet 240 per pallet



15.02 Corner / Seven Three Quarters Eighths 8.5 kg 160 per pallet 11.6 kg



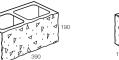
Three Quarters 14.3 kg 144 per pallet







Standard Half Height 8.0 kg 216 per pallet



20.139 Corner Return 18.9 kg 108 per pallet



20.121 Standard 17.5 ka

20.03

8.7 kg

30.42

25 kg

Channel

72 per pallet

180 per pallet

Half



30.121 Standard 22 kg

72 per pallet



30.142 Channel 72 per pallet



12.709 20.03C Standard Curved Wall 13.6 kg 7.5 kg 150 per pallet 180 per pallet



10.71 Standard Half Height 4.8 kg 390 per pallet



15.71

6.0 kg

20.759

H Block

10.4kg

590mm Half Height

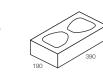
Half Height

288 per pallet

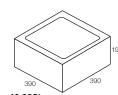
10.117SW

15.42 Channel

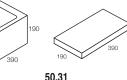




Standard Half Height 8 ka 216 per pallet



40.925* Pier 23.9 kg 54 per pallet



50.31 Capping Tile 6.6 kg 270 per pallet

20.142

Channel

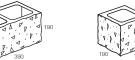
17.0 kg

Note: Listed Designer Block pallet quantities and weights are for Smooth Face, other finishes may vary.

Split Face



10.101 10.109 Standard 14.8 ka 108 per pallet



20.141 Corner Return Half 12.3 kg 216 per pallet



108 per pallet



25.75 kg



20.123 Half 11.1 kg 180 per pallet

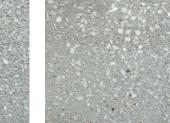


10.117SF LedgeRok Split Face 3.3 kg 432 per pallet



Shot-blast Face Smooth Face

A finely textured finish created through This process subtly exposes the the standard moulding process. aggregates, producing a weathered, sawn stone-like finish



Honed Face

The honed process grinds 2-3mm from the block surface, producing a matt exposed-aggregate finish.

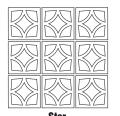


Split Face

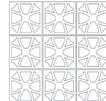
The splitting process produces a bold This involves producing a denser block textured, exposed aggregate finish.

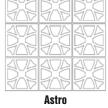


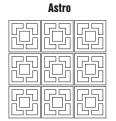
Cubic Breeze Blocks are 290x290x90mm and available in either Smooth Grey or Smooth White

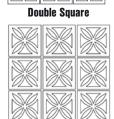


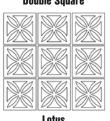
Circle Void

















Designer Block Colour & Texture Chart



Polished Face

which is honed and then buffed. This

enriches the colour of the aggregates.

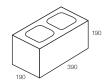
Sea Breeze Blocks: A Breath of Fresh Air



All available in Tinted Natural Grey.

Heavy Duty Masonry[™] Available in 40MPa strength rating*

Heavy Duty blocks are tinted darker for Engineer identification and have a rougher texture than Lightweight Blocks - best used in rendered / non-face walls.



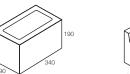
20.01 Standard 17.8 kg 108 per pallet



20.02 Three Quarters 12.6 kg 144 per pallet



20.03 Half 9.9 kg 180 per pallet



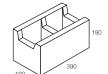
20.22 Seven Eighths 16.9 kg 108 per pallet

20.71

8.3 kg

Half Height

216 per pallet



20.42 Channel 17.1 kg 108 per pallet



Cleanout 15.3 kg 108 per pallet

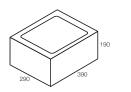


20.48

H Block

30.48 H Block 19.1 kg

72 per pallet



30.925 Single Core 22.6 kg 72 per pallet



Do you need high strength, high loadbearing walls? National Masonry's Heavy Duty Masonry™ range is your new solution. Now you can have the flexibility of masonry construction in applications where high compressive strength of up to 40MPa is required. Made specifically for your project, please check current lead times for manufacturing when you order.

* Minimum order quantities and lead times apply



12.715ST*

3.8 kg 500 per pallet

ULTRA BRICK Smooth Face

All available in Natural Grey.

Speed-E-Bricks & Commons



12.715LW Common Brick Super Light Non Load Bearing 2.7 kg 600 per pallet

Accessories

Full Bag Mortar Sand

Mortar Additive

20L

Mortar Additive

TECHDRYAD

5L & 20L

1200 kg



Half Bag Mortar Sand

Mortar Plasticiser

Brickies Mate 1L

620 kg

30.45

Cleanout

21.6 kg

60 per pallet

12.715ST Common Brick Standard Load Bearing 3.4 kg 500 per pallet



12.796LW Speed-E Brick Super Light Non Load Bearing 4.75 kg 300 per pallet

Concrete Blend

Environex Cleaners

Full range to clean,

protect and enhance

and Sealers

1200 kg



Load Bearing 6 kg 250 per pallet

Cement 20 kg

Grey GP & Off White

Coloured Mortar 20 kg

Grey, White or Charcoal

(also a range of oxides

available)



12.796ST Speed-E Brick Standard



ULTRA BRICK

Charcoal



Coco

Pearl Grey

Platinum

* ULTRA BRICK



Frost

colour range is Coco, Charcoal, Platinum, Pearl Grey and Frost.



20.01

20.13

7.3 kg

20.40

4.48 kg

Half Height Sill

360 per pallet

Half Lintel

220 per pall

Standard

13.29 kg

108 per pallet

Lightweight Concrete Blocks

20.75A NEW

9.2kg

20.09

14.2 kg

20.22

13.7 kg

20.60

17.9 kg

Seven Eighths

108 per pallet

72 per pallet

590mm A Block

144 per pallet

1/2 Height Cnr/End

Concrete Grey Blocks

Concrete Grey Blocks are manufactured utilising recycled ash to provide a lightweight, high strength product. Concrete Grey Blocks are commonly used for construction on houses, schools, and various commercial projects. Choosing the right Concrete Grey Block is important. Before selecting, you should ensure this product meets your project's requirements. Certain Concrete Grey Blocks are lightweight, heavy duty and/or fire rated. Please check the Additional Information. Please consult National Masonry® if you are unsure on the best Concrete Grey Block for your construction needs.

All available in Natural Grey

Popular Products



20.01 Standard



20.03

Half



20.42 Channel



20.45 Cleanout



20.48 H Block



20.71 Standard Half Height

100mm Series (f'uc = 15MPa)



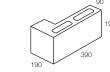
10.01 Standard 8.5 kg 195 per pallet



10.02 Three Quarters 6.7 kg 240 per pallet



10.03 Half 4.3 kg 360 per pallet



10.25 Corner Return 11.4 kg 120 per pallet



10.31 Solid 12.4 kg 156 per pallet



10.71 Standard Half Height 4.0 kg 390 per pallet

15.12

Lintel

16.2 kg

50.45

4.1 kg

Biscuit & Spring

120 per pallet

120 per pallet

150mm Series 2 hour insulation FRL (f'uc = 15MPa)

15.02

8.9 kg

15.22

Seven Eighths

Three Quarter

160 per pallet



15.01 Standard 10.88 kg



15.20 Knockout Bond Beam 10.6 kg 120 per pallet



15.48 H Block 11.01 kg 144 per pallet



15.709 Thick Wall 17.86 kg 120 per pallet

Speed Blox (Perp Free Block)

20.48SB

H Block

12.4 kg

90 per pallet



15.03 Half 5.6 kg 240 per pallet

15.25

13.92 kg

15.703

10.12 kg

20.03SB

6.94 kg

165 per pallet

Thick Wall Half separately

Corner Return

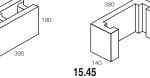
105 per pallet



15.09 Control Joint 11.1 kg 120 per pallet



Control Joint Half



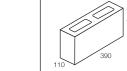
15.10

15.42 Channel Cleanout 10.5 kg 10.2 kg 144 per pallet 120 per pallet



Standard Half Height 5.2 kg 288 per pallet

120mm Series 2 hour insulation FRL (*f*'uc = 15MPa)



12.709 Thickwall 10.9 kg 150 per pallet



12.703 Thickwall Half 5.65 kg

All available in Natural Grey

20.759 590mm H Block 1/2 Height 8.8kg 144 per pallet



20.04 (10.03)

360 per pallet

Quarter

4.3 kg

20.21A

12.4 kg

20.48

H Block

11.73 kg

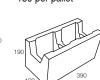
108 per pall

108 per pallet

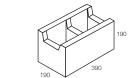
Deep Channel Corner

20.20A & 20.21A Innovative Knockouts: No biscuits.

20.03 Half 7.32 kg 180 per pallet



20.20A Deep Lintel Deep Channel 14.4 kg 12.6 kg 125 per pallet 108 per pallet



200mm Series 2 hour insulation FRL (f'uc = 15MPa unless noted)

20.02

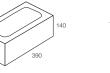
9.4 kg

20.18

Three Quarters

144 per pallet

20.42 Channel 13.09 kg 108 per pallet



20.140 Standard 11.2 kg 108 per pallet



20.748 Squint 10.2 kg 90 per pallet



20.925

20.45

Cleanout

11.62 kg

108 per pallet



Single Core 15.1 kg 108 per pallet

30.03 (20.02)

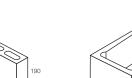
144 per pallet

Half

9.4 kg







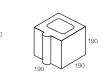
30.04 (10.02) Quarter 6.7 kg



40.925 400 Pier Block 22.4 kg 54 per pallet



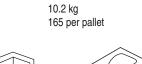
Curved Wall 6.3kg 180 per pallet

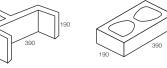


20.10 Full Control Joint 72 x 20.09 Control Joint Half and 20.10 8.5 kg 72 per pallet pairs)

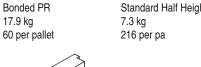


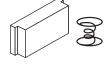


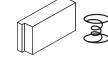


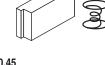














120 per pallet

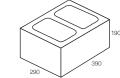
30.18

Deep Lintel

85 per pallet

17.1 kg

300mm Series 2 hour insulation FRL (f'uc = 15MPa unless noted)



30.01 Standard 18.9 kg 72 per pallet

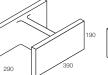
30.42

Channel

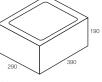
18.8 kg

60 per pallet

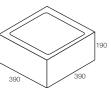




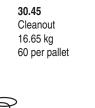
30.48 H Block 14.7 kg 72 per pallet



30.925 Single Core 17.8 kg 72 per pallet



50.45 Biscuit & Spring 4.1 kg 120 per pallet







20.21SB

14.34 kg

Full Length Corner

Block & Brick Estimator	Full Height	Half Height	Standard Brick	Quick Brick
Masonry unit face size (L x H mm)	390 x 190	390 x 90	230 x 76	230 x 162
No. Units per m2	12.5	25	50	25

Material Quantities for 1m3 of Mortar

- For every 800 full height blocks (390 long x 190 high) or 64m² of wall, approximately 1m³ of mortar mix is required, allowing for wastage.
- · There are 12.5 full blocks per square metre of wall surface area.

	Grey Block		Designer Range	
	Mix in 1 : 1 : 6 proportions		Mix in 1:5 proportions	
М3	Cement	14 bags (20kg each)	Cement	16 bags (20kg each)
	Lime	5 bags (20kg each)	Designer Range Additive	8 litres
	Sand	1.2m³	Sand	1.2m³
	Mix in 1: 0.5: 4.5 proportions		Mix in 1:4 proportions	
M4	Cement	18 bags (20kg each)	Cement	20 bags (20kg each)
	Lime	3 bags (20kg each)	Designer Range Additive	27 litres
	Sand	1.2m³	Sand	1.2m³
Note: Use clean, sharp sand and allow 20% for bulking.				

Grout for Core Filling

The correct grout specification (mix design) is critical to achieving the structural design of a reinforced wall. The grout used to fill the cores of blockwork walls should be specified as follow:

- · Grout to comply with AS3700 Clause 10.7.
- · Characteristic Compressive Strength 20MPa.
- Cement content not less than 300kg/m³.
- · Round aggregate (if any) not more than 10mm.
- Clean sand (1.2m³)
- A pouring consistency which ensures that the cores are completely filled and the reinforcement completely surrounded without segregation of the constituents.

Control Joints

Because of temperature variations and the shrinkage in a concrete masonry wall after construction, it is necessary to provide control joints in blockwork at a max spacing of 6m and at points of potential cracking, e.g. beside openings and at large steps in wall or footing.

- Joint width is 10mm for panels up to 6000mm long.
- Joint sealants should be applied towards the end of construction to minimise the effect of panel movement.

Core Fill Quantities				
Block Type	1m³ Grout			
15.01	230			
15.48	210			
20.01	150			
20.48	125			
30.01	90			
30.48	69			
40.925	50			

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All pallets remain the property of National Masonry®



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Use our Pallet Collection Form on our website. www.nationalmasonry.com.au



Call your local branch during office hours.

1800 066 089

Contact

To find your closest National Masonry® stockist, to receive brochures or to learn more about our products, call us or visit our website at www.nationalmasonry.com.au



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