



BLOCK & BRICK COLLECTION

QUEENSLAND &
NEW SOUTH WALES



Blocks & Bricks

Contents

Architectural Designer Range Overview	2
Designer Blocks - Smooth	3
Designer Blocks - Honed	3
Designer Blocks - Polished	3
Designer Blocks - Shot	3
Designer Blocks - Split Face	3
Designer Block - Finish & Colour Guide	4
Breeze Blocks	4
Designer Bricks	5
Accessories	5
Heavy Duty Masonry 40MPa Blocks	5
Natural Grey Light Weight Blocks & Bricks	6
100 Series	6
120 Series	6
Speed-E Bricks & Commons	6
150 Series	6
Speed Blox (Perp Free Block)	6
200 Series	7
300 Series	7
Materials Estimator	8

About National Masonry®

With a proud history encompassing our manufacturing past as Boral Masonry before 2013, National Masonry® has firmly 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 benchmark in masonry.

Pallet Return

All pallets remain the property of National Masonry®

Call to Arrange our FREE
Pallet Collection Service



1800 066 089

Online Booking for FREE
pallet collection service



Use our Pallet
Collection Form on
our website or scan:

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. Whilst 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, Honed, Polished or Split Face finishes. Designer Bricks are available in Smooth, Shot or Polished finishes and the same range of standard made to order colours. We are also happy to work with designers on custom colours for large projects.

Value Added Finishes

Value added (Shot, Honed, Polished and Split Face) Designer Blocks are supplied as single face products unless extra faces are value added at your request (except products which are specifically stated as being Value Added on 2 faces or otherwise). 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 Designer Brick is generally made to order, lead times apply to all orders for these products. Longer lead times apply to Honed, Polished, and Shot 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 Designer Bricks free of mortar smears and drips while laying, as heavy mortar stains can be difficult to remove without permanently damaging the surface.

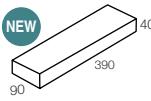
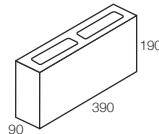
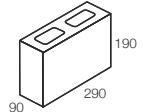
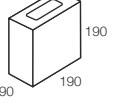
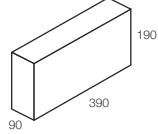
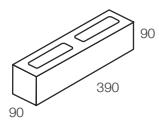
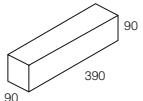
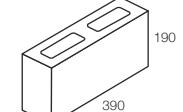
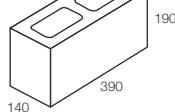
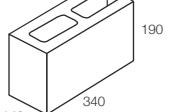
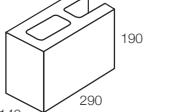
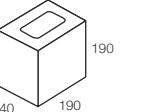
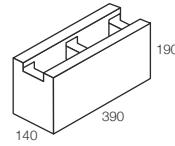
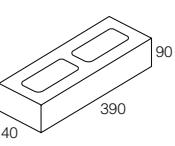
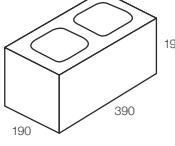
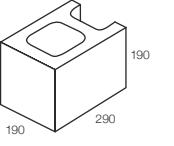
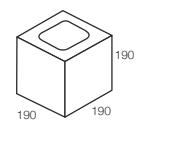
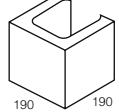
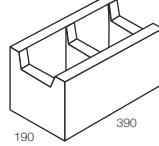
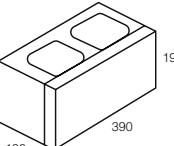
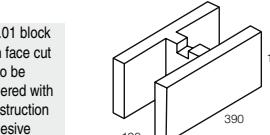
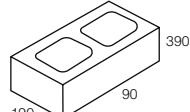
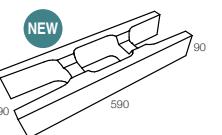
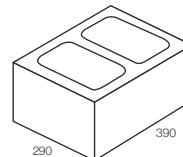
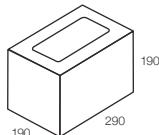
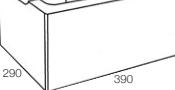
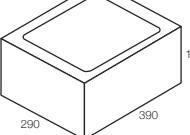
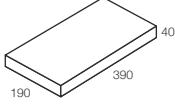
Storage – Designer Blocks and Designer Bricks must be kept dry on site before use and when laid. Freshly laid walls must be covered overnight and when rain interrupts work in order to prevent mortar stains and excessive moisture entering exposed cavities. Failing to do this will increase the likelihood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

Mortar – Coloured Designer Range blocks (but not Designer Brick) 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 staining.

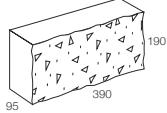
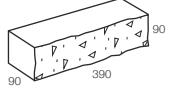
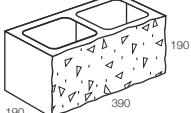
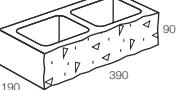
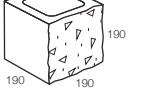
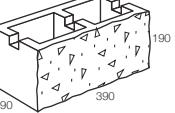
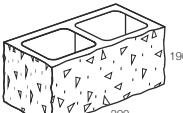
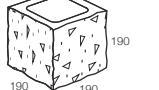
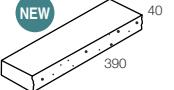
See our Architectural Designer Block brochure or visit our website at www.nationalmasonry.com.au for more information, laying, cleaning and maintenance guides and extensive photo galleries

Architectural Designer Blocks - Smooth, Shot, Honed, Polished or Split Face in 6 Standard Colours

 10.117SW LedgeRok Sawn 3.3 kg 432 per pallet	 10.01 Standard 10.3 kg 195 per pallet	 10.02 Three Quarter 8.1 kg 240 per pallet	 10.03 Half 5.7 kg 360 per pallet	 10.31 Solid 14.8 kg 156 per pallet	 10.71 Standard Half Height 4.8 kg 390 per pallet
 10.83 Solid Half Height 7.0 kg 312 per pallet	 12.709 Standard 13.6 kg 150 per pallet	 15.01 Standard 12.7 kg 144 per pallet	 15.22 Corner / 7/8s 11.6 kg 125 per pallet	 15.02 Three Quarters 8.5 kg 160 per pallet	 15.03 Half 7.7 kg 240 per pallet
 15.42 Channel 12.6 kg 144 per pallet	 15.71 Half Height 6.0 kg 288 per pallet	 20.01 Standard 15.8 kg 108 per pallet	 20.02 Three Quarters 14.3 kg 144 per pallet	 20.03 Half 8.7 kg 180 per pallet	 20.03C Curved Wall 7.5 kg 180 per pallet
 20.13 Half Lintel 9.5 kg 220 per pallet	 20.42 Channel 15.3 kg 108 per pallet	 20.45 (CUT) Cleanout & Face 15.8 kg 108 per pallet	 20.48 H Block 14.0 kg 108 per pallet	 20.71 Standard Half Height 8 kg 216 per pallet	 20.759 590mm Half Height H Block 10.4kg 144 per pallet
 30.01 Standard 22.3 kg 72 per pallet	 30.03 Half 15.3 kg 144 per pallet	 30.42 Channel 25 kg 72 per pallet	 30.925 Single Core 20.6 kg 72 per pallet	 40.925* Pier 23.9 kg 54 per pallet	 50.31 Capping Tile 6.6 kg 270 per pallet

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

Split Face

 10.101 Standard 14.8 kg 108 per pallet	 10.109 Standard Half Height 8.0 kg 216 per pallet	 20.121 Standard 17.5 kg 108 per pallet	 20.127 Standard Half Height 8.75 kg 180 per pallet	 20.123 Half 11.1 kg 180 per pallet	 20.142 Channel 17.0 kg 108 per pal
 20.139 Corner Return 18.9 kg 108 per pallet	 20.141 Corner Return Half 12.3 kg 216 per pallet	 30.121 Standard 22 kg 72 per pallet	 30.142 Channel 25.75 kg 72 per pallet	 40.117SF LedgeRok Split Face 3.3 kg 432 per pallet	



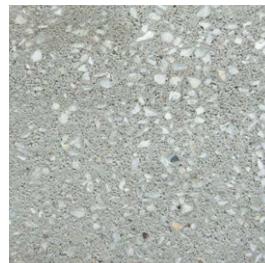
Smooth Face

A finely textured finish created through the standard moulding process.



Shot Face

This process aggressively exposes the aggregates, producing a gritty, heavily textured, etched finish and softer colours.



Honed Face

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



Polished Face

This involves producing a denser block which is honed and then buffed to a glass-like, reflective surface which enriches the colours of the sands and aggregates.

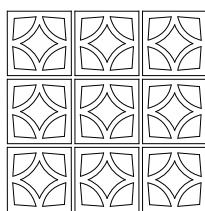


Split Face

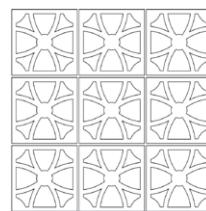
The splitting process produces a bold textured, exposed aggregate finish.

Cubic Breeze Blocks NEW

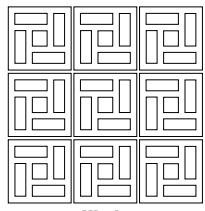
Cubic Breeze Blocks are 290x290x90mm and available in either Smooth Grey or Smooth White



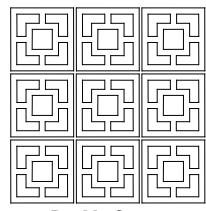
Star



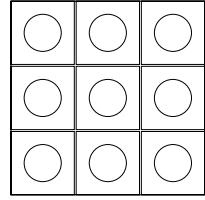
Astro



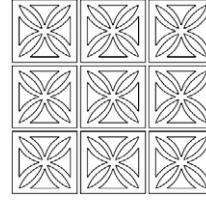
Hindu



Double Square



Circle Void



Lotus



White



Grey



Astro White Breeze Blocks

Designer Block Standard Made to Order Colour & Finish Chart

	Coco	Charcoal	Platinum	Pearl Grey	Glacier	Macadamia
Smooth Face						
Shot Face						
Honed Face						
Polished Face						
Split Face						

* Colour, texture and aggregates will vary from batch to batch - please order carefully for whole project at once.

A selection of Custom Colours can be Made to Order for large projects, including Terracotta, Terrain, Rust, Wilderness, Paperbark and more. Scan to view our Gallery:



Sea Breeze Blocks: A Breath of Fresh Air

Glacier



Macadamia



Platinum



Coco



Charcoal



Pearl Grey

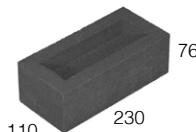


Sea Breeze Glacier



All Sea Breeze Blocks are 390x190x140mm and Honed on BOTH sides for a premium finish. Colours in this chart are as accurate as the printing process allows but are indicative only and not intended as a final selection tool, please ask for current samples before ordering.

Architectural Designer Brick - Smooth, Shot & Polished in 6 Standard Colours



12.715SDB

Designer Brick Smooth Face
3.8 kg
500 per pallet



Coco



Charcoal



Platinum



Pearl Grey



Glacier



Macadamia

Colours shown are all Smooth texture, all colours also available in Shot and Polished Finishes - all generally Made to Order but check current stock and lead times. Colour oxides available to match or contrast mortar joints. Custom colours such as Terracotta, Terrain, Paperbark or others can also be made to order for large orders, please ask us for more information.

Accessories



Full Bag Mortar Sand
1200 kg



Half Bag Mortar Sand
620 kg



Concrete Blend
1200 kg (for corefill)



Cement 20 kg
Grey GP & Off White



Mortar Additive
TECHDRYAD
5L & 20L (allow 1 litre
per 40kg cement or
108 blocks)



Lime Juice 5L
(Safe alternative to
hydrated lime)



Environex Cleaners
and Sealers
Full range to clean,
protect and enhance



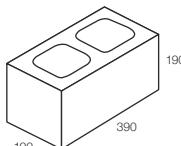
Trade Grey M4 Mortar 20 kg
1 bag does approx 10 blocks
or 20 bricks (also a range of
of oxides available for mortar
matching or contrasting)



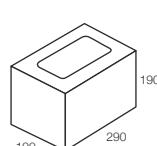
Designer Brick Polished Charcoal

Heavy Duty Masonry - 40MPa Tinted Grey Rough Finish

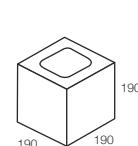
Heavy Duty blocks are tinted darker for Engineer identification and have a rougher texture than Lightweight Blocks - best used in rendered / non-face walls.



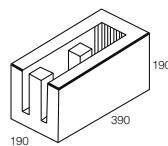
20.01
Standard
17.8 kg
108 per pallet



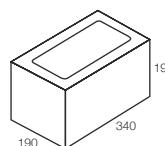
20.02
Three Quarters
12.6 kg
144 per pallet



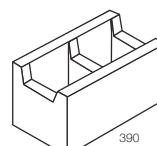
20.03
Half
9.9 kg
180 per pallet



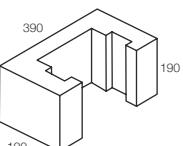
20.21
Knockout Corner
17.4 kg
108 per pallet



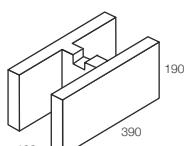
20.22
Seven Eighths
16.9 kg
108 per pallet



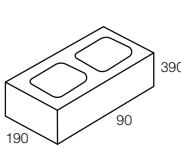
20.42
Channel
17.1 kg
108 per pallet



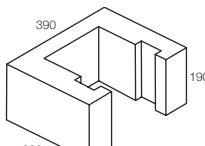
20.45
Cleanout
15.3 kg
108 per pallet



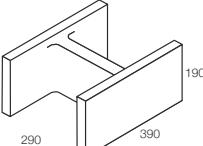
20.48
H Block
15.9 kg
108 per pallet



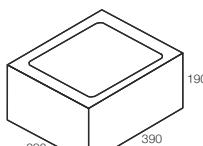
20.71
Half Height
8.3 kg
216 per pallet



30.45
Cleanout
21.6 kg
60 per pallet



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

Call for more information



Natural Grey Light Weight Blocks & Bricks

National Masonry Natural Grey Light Weight Concrete Blocks are manufactured utilising a carefully formulated blend of recycled ash to reduce cement, sand and stone content while providing a lightweight, high strength product. These industry leading, high quality Grey Blocks are commonly used for construction of houses, retaining walls, schools, shopping centres, sporting venues and an enormous variety of small to major projects around Australia. Choosing the right block is important. Before selecting, you should ensure this product meets your project's requirements for properties such as fire rating, sound transmission or compressive strength. Please consult National Masonry if you are unsure on the type of masonry block required for your construction needs.

Popular Products



20.01
Standard



20.03
Half



20.42
Channel



20.45
Cleanout

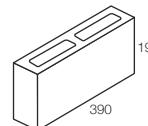


20.48
H Block

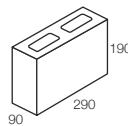


20.71
Standard Half Height

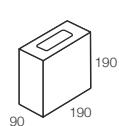
100 Series ($f'uc = 15MPa$)



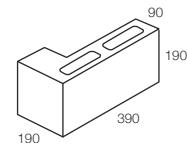
10.01
Standard
8.5 kg
195 per pallet



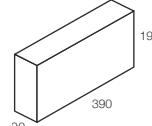
10.02
Three Quarters
6.7 kg
240 per pallet



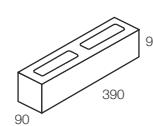
10.03
Half
4.3 kg
360 per pallet



10.25
Corner Return
11.4 kg
120 per pallet

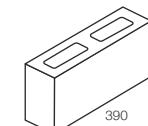


10.31
Solid
12.4 kg
156 per pallet

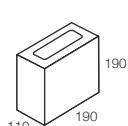


10.71
Standard Half Height
4.0 kg
390 per pallet

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

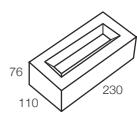


12.709
Thickwall
10.9 kg
150 per pallet

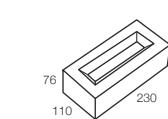


12.703
Thickwall Half
5.65 kg

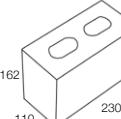
Speed-E-Bricks & Commons



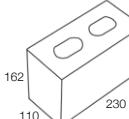
12.715LW
Common Brick Super
Light Non Load Bearing
2.7 kg
600 per pallet



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

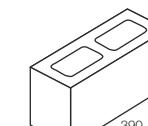


12.796LW
Speed-E Brick Super
Light Non Load Bearing
4.75 kg
300 per pallet

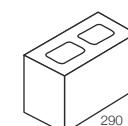


12.796ST
Speed-E Brick Standard
Load Bearing
6 kg
250 per pallet

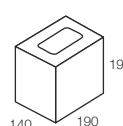
150 Series 2 hour insulation FRL ($f'uc = 15MPa$)



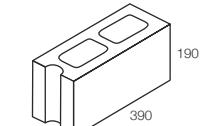
15.01
Standard
10.88 kg
144 per pallet



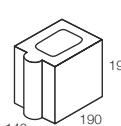
15.02
Three Quarter
8.9 kg
160 per pallet



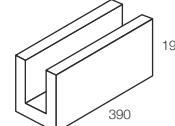
15.03
Half
5.6 kg
240 per pallet



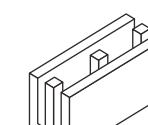
15.09
Control Joint
11.1 kg
120 per pallet



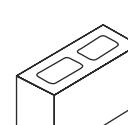
15.10
Control Joint Half
6.8 kg
240 per pallet



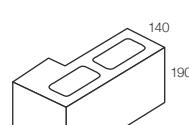
15.12
Lintel
16.2 kg
120 per pallet



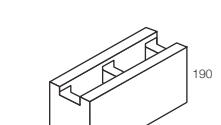
15.20
Knockout Bond Beam
10.6 kg
120 per pallet



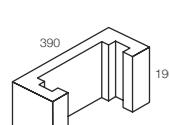
15.22
Seven Eighths
9.7 kg
125 per pallet



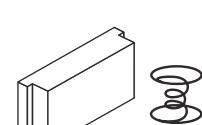
15.25
Corner Return
13.92 kg
105 per pallet



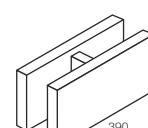
15.42
Channel
10.5 kg
144 per pallet



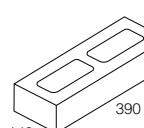
15.45
Cleanout
10.2 kg
120 per pallet



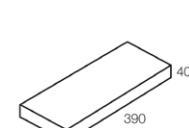
50.45
Biscuit & Spring
4.1 kg
120 per pallet



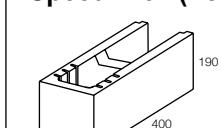
15.48
H Block
11.01 kg
144 per pallet



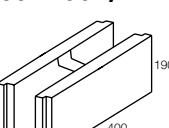
15.71
Standard Half Height
5.2 kg
288 per pallet



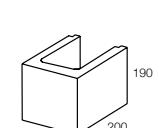
50.15
Capping Tile
4.1 kg
360 per pallet



20.21SB
Full Length Corner
14.34 kg
90 per pallet

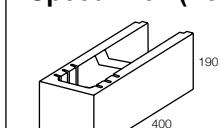


20.48SB
H Block
12.4 kg
90 per pallet

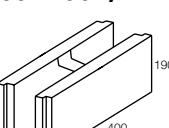


20.03SB
Half
6.94 kg
165 per pallet

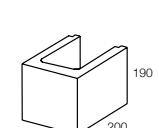
Speed Blox (Perp Free Block)



20.21SB
Full Length Corner
14.34 kg
90 per pallet



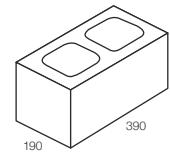
20.48SB
H Block
12.4 kg
90 per pallet



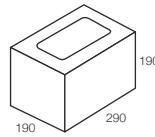
20.03SB
Half
6.94 kg
165 per pallet

Natural Grey Light Weight Blocks

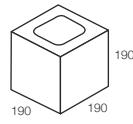
200 Series 2 hour insulation FRL ($f'uc = 15MPa$ unless noted)



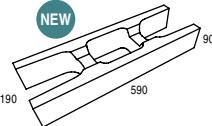
20.01
Standard Flush Ends
13.29 kg
108 per pallet



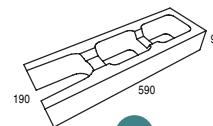
20.02
Three Quarters
9.4 kg
144 per pallet



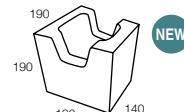
20.03
Half
7.32 kg
180 per pallet



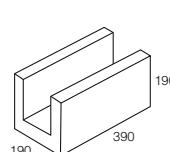
20.759
590mm H Block
1/2 Height
8.8kg
144 per pallet



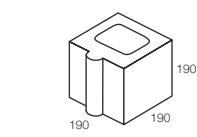
20.75A
590mm A Block
1/2 Height Cnr/End
9.2kg
144 per pallet



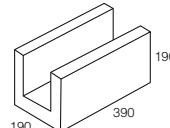
20.03C
Curved Wall
6.3kg
180 per pallet



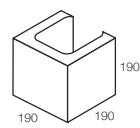
20.09
Full Control Joint
14.2 kg
72 per pallet



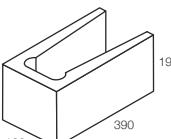
20.10
Control Joint Half
8.5 kg
72 per pallet



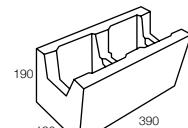
20.12
Full Lintel
18.1 kg
90 per pallet



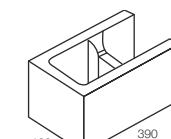
20.13
Half Lintel
7.3 kg
220 per pallet



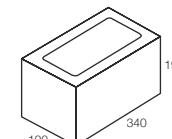
20.18
Deep Lintel
14.4 kg
125 per pallet



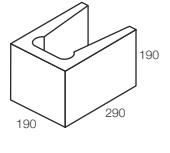
20.20A
Deep Channel
12.6 kg
108 per pallet



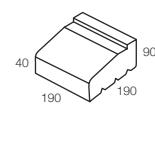
20.21A
Deep Channel Corner
12.4 kg
108 per pallet



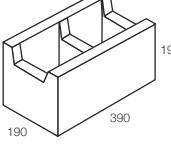
20.22
Seven Eighths
13.7 kg
108 per pallet



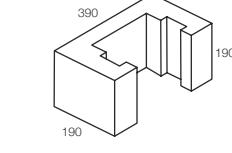
20.25
Three Quarter Lintel
10.2 kg
165 per pallet



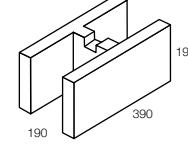
20.40
Half Height Sill
4.48 kg
360 per pallet



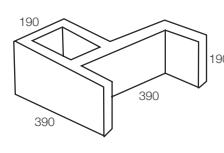
20.42
Channel
13.09 kg
108 per pallet



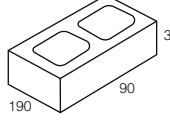
20.45
Cleanout
11.62 kg
108 per pallet



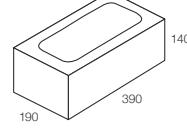
20.48
H Block
12.02 kg
108 per pallet



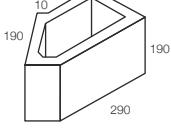
20.60
Bonded PR
17.9 kg
60 per pallet



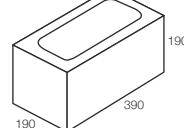
20.71
Standard Half Height
7.3 kg
216 per pallet



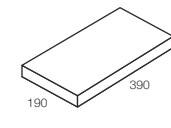
20.140
Standard
11.2 kg
108 per pallet



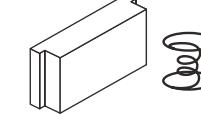
20.748
Squint
10.2 kg
90 per pallet



20.925
Single Core
15.1 kg
108 per pallet

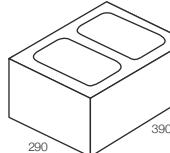


50.31
Capping Tile
5.7 kg
270 per pallet

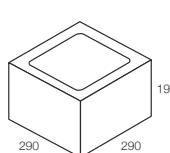


50.45
Biscuit & Spring
4.1 kg
120 per pallet

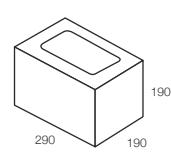
300 Series 2 hour insulation FRL ($f'uc = 15MPa$ unless noted)



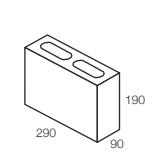
30.01
Standard
18.9 kg
72 per pallet



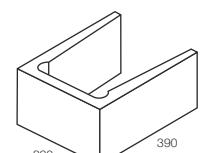
30.02
Three Quarter
14.8 kg
80 per pallet



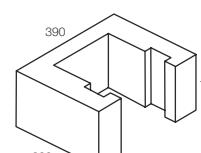
30.03 (20.02)
Half
9.4 kg
144 per pallet



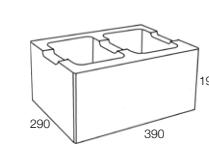
30.04 (10.02)
Quarter
6.7 kg
240 per pallet



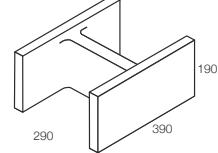
30.18
Deep Lintel
17.1 kg
85 per pallet



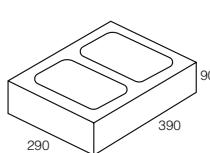
30.45
Cleanout
16.65 kg
60 per pallet



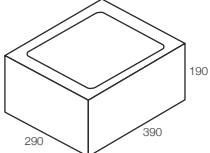
30.42
Channel
18.8 kg
60 per pallet



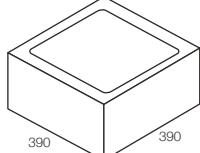
30.48
H Block
14.7 kg
72 per pallet



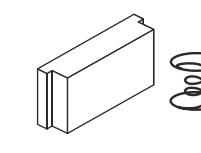
30.71
Half Height
9.25 kg
144 per pallet



30.925
Single Core
17.8 kg
72 per pallet



40.925
400 Pier Block
22.4 kg
54 per pallet



50.45
Biscuit & Spring
4.1 kg
120 per pallet

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.

M3	Grey Block		Designer Range	
	Mix in 1 : 1 : 6 proportions		Mix in 1 : 5 proportions	
	Cement	14 bags (20kg each)	Cement	16 bags (20kg each)
	Lime	5 bags (20kg each)	Designer Range Additive	8 litres
M4	Sand	1.2m ³	Sand	1.2m ³
	Mix in 1 : 0.5 : 4.5 proportions		Mix in 1 : 4 proportions	
	Cement	18 bags (20kg each)	Cement	20 bags (20kg each)
	Lime	3 bags (20kg each)	Designer Range Additive	27 litres
	Sand	1.2m ³	Sand	1.2m ³
	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	Blocks per m3 of Grout
15.01	230
15.48	210
20.01	150
20.48	125
30.01	90
30.48	69
40.925	50

Pallet Return

All pallets remain the property of National Masonry®

Contact us Online or by Phone to arrange FREE pallet pickup service when you're ready.



Online Booking Pickup

Use our Pallet Collection Form on our website.

www.nationalmasonry.com.au

Call to Arrange Pickup



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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