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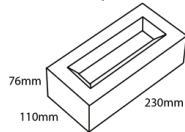
Concrete Masonry Product Guide

1300 272 911

sales@nbproduct.com.au

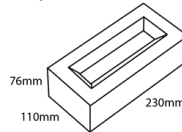
Concrete Bricks

Standard Bricks are available in common grey and the Ultra Brick is a Coloured Range with Smooth and special Architectural finishes. Use the Speed-E brick to increase productivity and reduce costs.



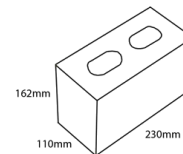
12.715LW

Super Light Common Brick
2.7kg
600 per pallet
F_o— 200 kN/m



12.715ST

Standard Common Brick
3.4kg
500 per pallet
F_o— 365 kN/m



12.796LW

Super Light Speed-E Brick
4.75kg
300 per pallet
F_o— 248 kN/m

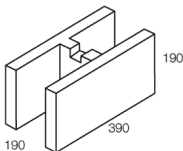
12.796ST

Standard Speed-E Brick
6.9kg
250 per pallet
F_o— 453 kN/m

Lightweight Concrete Blocks

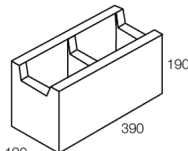
Concrete Grey Blocks are manufactured utilising industrial by-products to provide a lightweight, high strength product. Concrete Grey Blocks are commonly used for construction on houses, schools, and various commercial projects. Choosing the right Concrete Grey Block is important. Before selecting, you 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 us if you are unsure on the best Concrete Grey Block for your construction needs.

200 Series 120 minute FRP (f'uc = 15MPa unless noted)



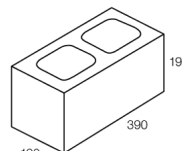
20.48

H Block
11.73 kg
108 per pallet



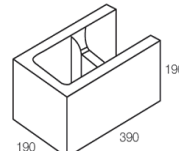
20.42

Channel Block
13.09 kg
108 per pallet



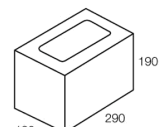
20.01

Standard Block
13.29 kg
108 per pallet



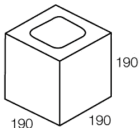
20.21A

Corner Block
12.4 kg
108 per pallet



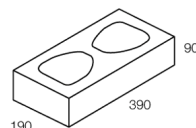
20.02

Three Quarters
9.4 kg
144 per pallet



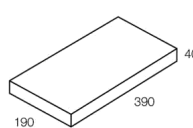
20.03

Corner Block
7.3 kg
180 per pallet



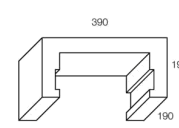
20.71

Standard Half Height
7.3 kg
216 per pallet



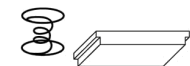
50.31

Capping Tile
5.7 kg
270 per pallet



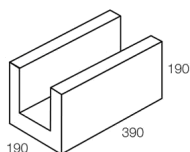
20.45

Cleanout Block
11.62 kg
108 per pallet



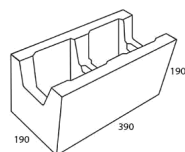
50.45

Biscuit & Spring
4.1 kg
120 per pallet



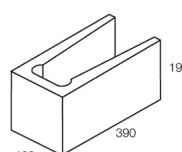
20.12

Full Lintel
19 kg
90 per pallet



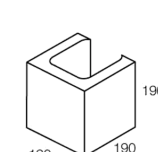
20.20A

Deep Channel
12.6 kg
108 per pallet



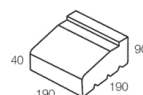
20.18

Deep Lintel
12.5 kg
125 per pallet



20.13

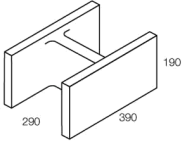
Half Lintel
8.2 kg
220 per pallet



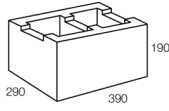
20.40

Half Height Sill
4.48 kg
360 per pallet

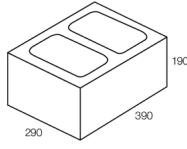
300 Series 120 minute FRP ($f'_{uc} = 15\text{MPa}$)



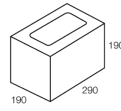
30.48
H Block
14.52 kg
72 per pallet



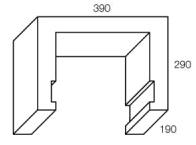
30.42
Channel Block
21.0 kg
60 per pallet



30.01
Standard Block
18.9 kg
72 per pallet

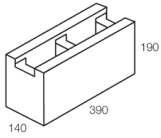


30.03 (20.02)
Half Block
9.4 kg
144 per pallet

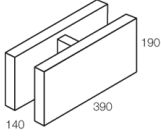


30.45
Cleanout
16.65 kg
60 per pallet

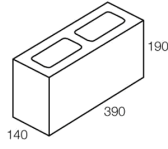
150 Series 120 minute FRP ($f'_{uc} = 15\text{MPa}$)



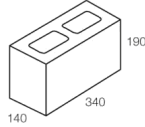
15.42
Channel Block
10.5 kg
144 per pallet



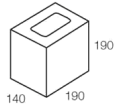
15.48
H Block
11.01 kg
144 per pallet



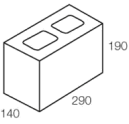
15.01
Standard Block
10.88 kg
144 per pallet



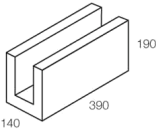
15.22
Corner Block
9.7 kg
125 per pallet



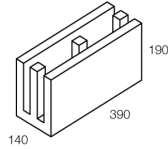
15.03
Half Block
5.6 kg
240 per pallet



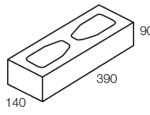
15.02
Three Quarter Block
8.9 kg
160 per pallet



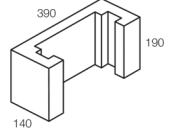
15.12
Lintel Block
16.2 kg
120 per pallet



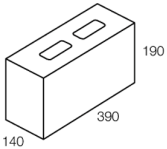
15.20
Knock Out Bond Beam
10.6 kg
120 per pallet



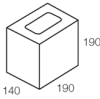
15.71
Standard Half Height
5.0 kg
288 per pallet



15.45
Cleanout
9.89 kg
120 per pallet

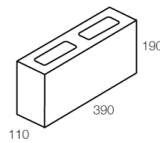


15.709
Thickwall
17.86 kg
120 per pallet

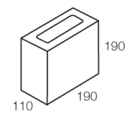


15.703
Thick Wall Half
10.12 kg
192 per pallet

120 Series 120 minute FRP ($f'_{uc} = 15\text{MPa}$)

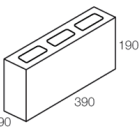


12.709
Thickwall
11.31 kg
150 per pallet

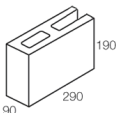


12.703
Thick Wall Half
5.65 kg
288 per pallet

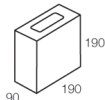
100 Series 120 minute FRP ($f'_{uc} = 15\text{MPa}$)



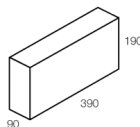
10.01
Standard Block
8.5 kg
195 per pallet



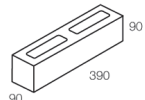
10.02
Three Quarter Block
6.7 kg
240 per pallet



10.03
Half Block
4.3 kg
360 per pallet



10.31
Solid Standard
13.0 kg
156 per pallet

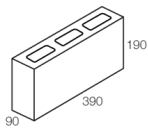


10.71
Standard Half Height
4 kg
390 per pallet

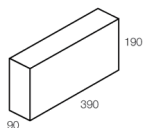
Designer Blocks

Designer Blocks are available in Charcoal, Glacier, Macadamia and Platinum colours. Lead times apply.
See the Architectural Designer Block brochure or visit the website www.nationalmasonry.com.au for more detailed information.

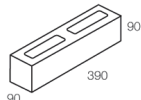
Smooth, Shot Blast, Honed and Polished Face



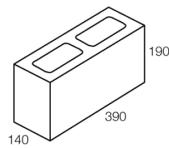
10.01
Standard Block
10.3 kg
195 per pallet



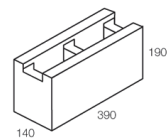
10.31
Solid Standard
14.8 kg
156 per pallet



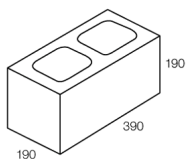
10.71
Standard Half Height
4.8 kg
390 per pallet



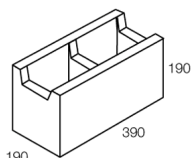
15.01
Standard
12.7 kg
144 per pallet



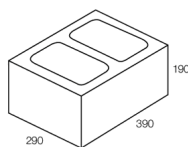
15.42
Channel
12.6 kg
144 per pallet



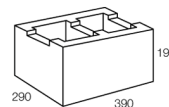
20.01
Standard Block
16.2 kg
108 per pallet



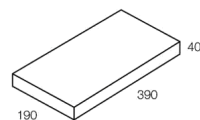
20.42
Channel Block
16 kg
108 per pallet



30.01*
Standard
22.3 kg
72 per pallet



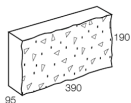
30.42*
Channel Block
25.0 kg
72 per pallet



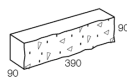
50.31
Capping Tile
6.6 kg
270 per pallet

***Note:** Smooth Face only

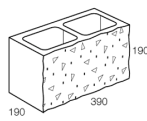
Split Face



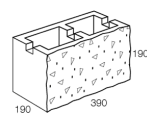
10.101
Standard Block
14.8 kg
108 per pallet



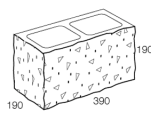
10.109
Standard Half Height
8.0 kg
216 per pallet



20.121
Standard
17.5 kg
108 per pallet



20.142
Channel
17.0 kg
108 per pallet



20.139
Corner Return
18.9 kg
108 per pallet

Colour and Texture Chart

	Smooth Face	Shot-blast Face	Honed Face	Polished Face	Split Face*
Macadamia					
Glacier					
Platinum					
Charcoal					

Breeze Block Designs



All Breeze Blocks are 390x190x140mm and Honed on BOTH sides for a premium finish.

Colours in these charts 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.

Materials Estimator

Block and Brick Estimator	Full Height	Half Height	Standard Brick	Speed-E Brick
Masonry Size (L mm x H mm)	390 x 190	390 x 90	230 x 76	230 x 162
No. Units per m ²	12.5	25	48.6	24.3

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.

Grey Block		Designer Range	
M4 Mortar	Mix in 1:0.5:4.5 proportions		Mix in 1:4 proportions
	Cement	18 bags (20kg each)	Cement
	Lime	3 bags (20kg each)	Designer Range Additive
	Sand	1.2m ³	Sand
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 follows:

- 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 unreinforced 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 filled per 1m ³ grout (approximate)
15.48	210
15.42	190
20.48	125
20.42	120
30.48	69
30.42	50
20.142 Split Face	125

Pallet Return



All pallets remain the property of National Masonry®

Pallets not returned will incur fee of \$25 per pallet

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Call **1300 272 911** or email sales@nbproducts.com.au

A.B.N. 42 645 232 131



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