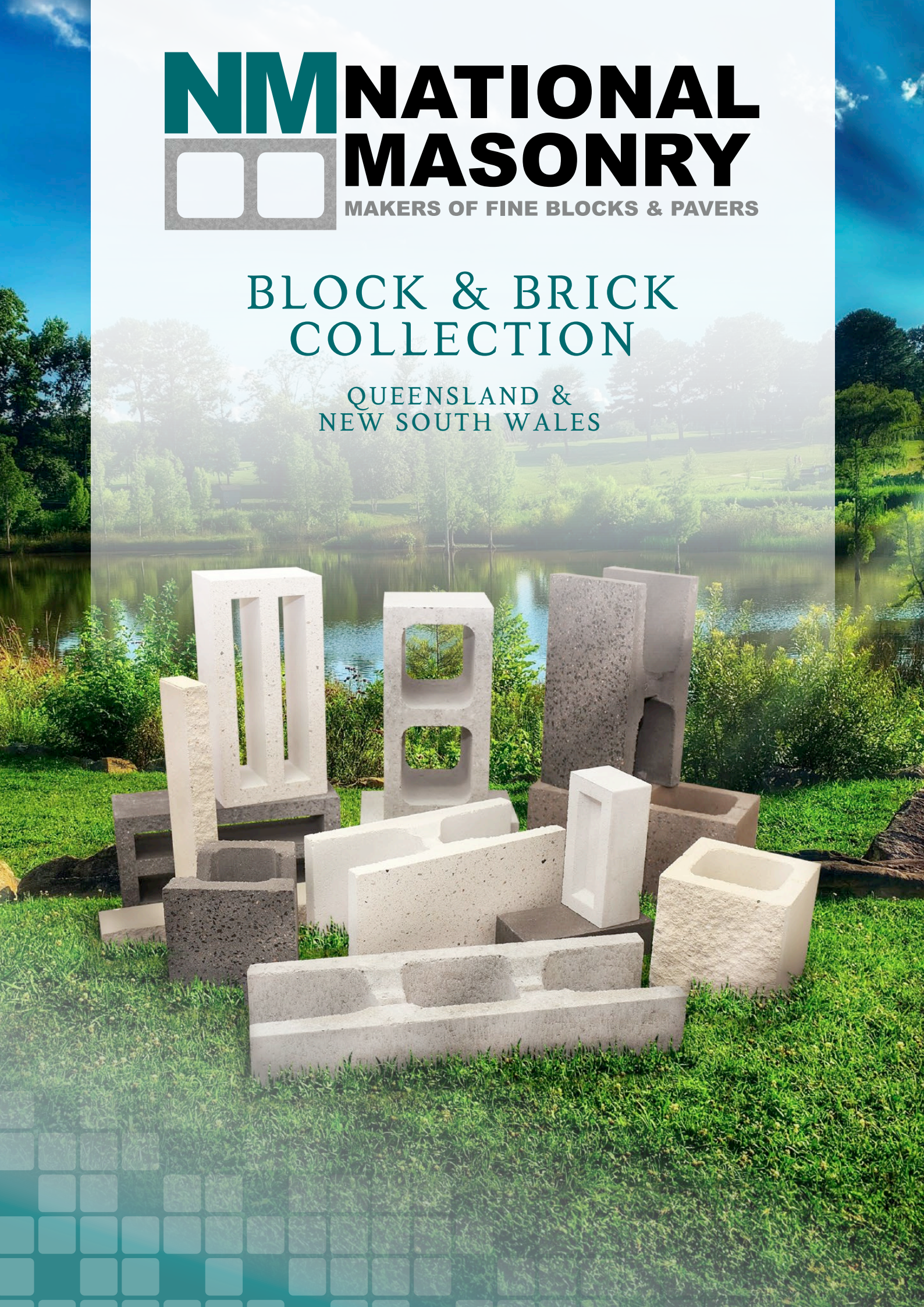


# NM NATIONAL MASONRY

MAKERS OF FINE BLOCKS & PAVERS

## BLOCK & BRICK COLLECTION

QUEENSLAND &  
NEW SOUTH WALES





# Blocks & Bricks

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## 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](http://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.

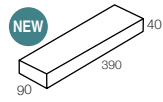
**Storage** – Designer Blocks and Designer Bricks must be kept dry on site before use and when laid. Freshly laid walls must be covered overnight and when rain interrupts work in order to prevent mortar stains and excessive moisture entering exposed cavities. Failing to do this will increase the likelihood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

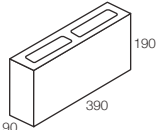
**Sealing** – All Designer Blocks should be cleaned and sealed with a quality sealer after installation. Failure to do so dramatically increases the likelihood and severity of efflorescence and general staining.

See our Architectural Designer Block brochure or visit our website at [www.nationalmasonry.com.au](http://www.nationalmasonry.com.au) for more information, laying, cleaning and maintenance guides and extensive photo galleries

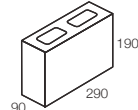




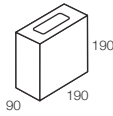
**10.117SW**  
LedgeRok Sawn  
3.3 kg  
432 per pallet



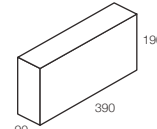
**10.01**  
Standard  
10.3 kg  
195 per pallet



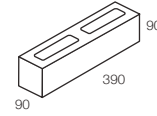
**10.02**  
Three Quarter  
8.1 kg  
240 per pallet



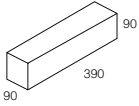
**10.03**  
Half  
5.7 kg  
360 per pallet



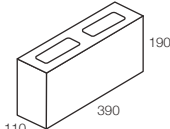
**10.31**  
Solid  
14.8 kg  
156 per pallet



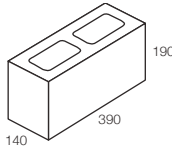
**10.71**  
Standard Half Height  
4.8 kg  
390 per pallet



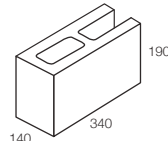
**10.83**  
Solid Half Height  
7.0 kg  
312 per pallet



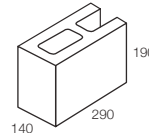
**12.709**  
Standard  
13.6 kg  
150 per pallet



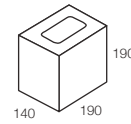
**15.01**  
Standard  
12.7 kg  
144 per pallet



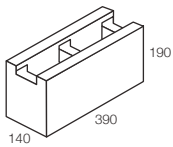
**15.22**  
Corner / 7/8s  
11.6 kg  
125 per pallet



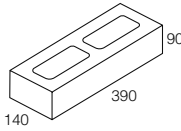
**15.02**  
Three Quarters  
8.5 kg  
160 per pallet



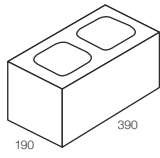
**15.03**  
Half  
7.7 kg  
240 per pallet



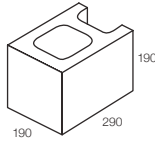
**15.42**  
Channel  
12.6 kg  
144 per pallet



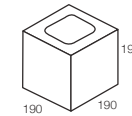
**15.71**  
Half Height  
6.0 kg  
288 per pallet



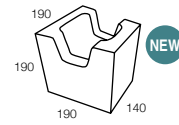
**20.01**  
Standard  
15.8 kg  
108 per pallet



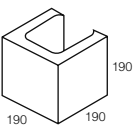
**20.02**  
Three Quarters  
14.3 kg  
144 per pallet



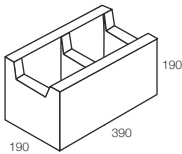
**20.03**  
Half  
8.7 kg  
180 per pallet



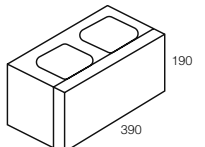
**20.03C**  
Curved Wall  
7.5 kg  
180 per pallet



**20.13**  
Half Lintel  
9.5 kg  
220 per pallet

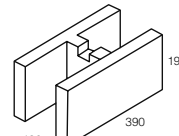


**20.42**  
Channel  
15.3 kg  
108 per pallet

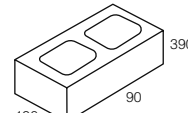


**20.45 (CUT)**  
Cleanout & Face  
15.8 kg  
108 per pallet

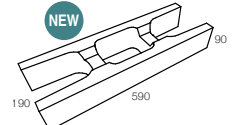
\*20.01 block with face cut off, to be adhered with construction adhesive (not included)



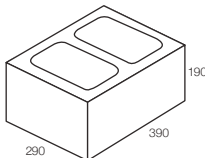
**20.48**  
H Block  
14.0 kg  
108 per pallet



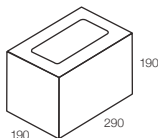
**20.71**  
Standard Half Height  
8 kg  
216 per pallet



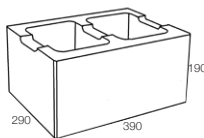
**20.759**  
590mm Half Height H Block  
10.4 kg  
144 per pallet



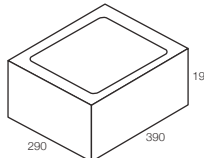
**30.01**  
Standard  
22.3 kg  
72 per pallet



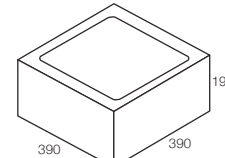
**30.03**  
Half  
15.3 kg  
144 per pallet



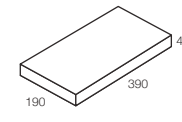
**30.42**  
Channel  
25 kg  
72 per pallet



**30.925**  
Single Core  
20.6 kg  
72 per pallet



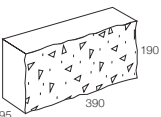
**40.925\***  
Pier  
23.9 kg  
54 per pallet



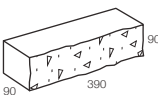
**50.31**  
Capping Tile  
6.6 kg  
270 per pallet

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

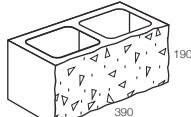
**Split Face**



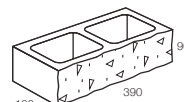
**10.101**  
Standard  
14.8 kg  
108 per pallet



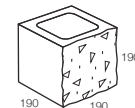
**10.109**  
Standard Half Height  
8.0 kg  
216 per pallet



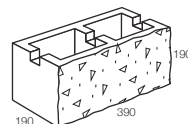
**20.121**  
Standard  
17.5 kg  
108 per pallet



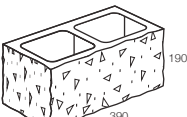
**20.127**  
Standard Half Height  
8.75 kg  
180 per pallet



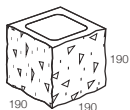
**20.123**  
Half  
11.1 kg  
180 per pallet



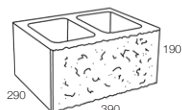
**20.142**  
Channel  
17.0 kg  
108 per pal



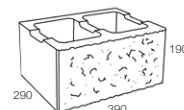
**20.139**  
Corner Return  
18.9 kg  
108 per pallet



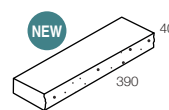
**20.141**  
Corner Return Half  
12.3 kg  
216 per pallet



**30.121**  
Standard  
22 kg  
72 per pallet



**30.142**  
Channel  
25.75 kg  
72 per pallet



**10.117SF**  
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.

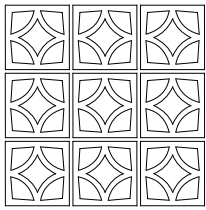


**Split Face**

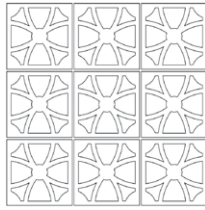
The splitting process produces a bold textured, exposed aggregate finish.

**Cubic Breeze Blocks** NEW

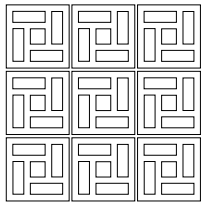
Cubic Breeze Blocks are 290x290x90mm and available in either Smooth Grey or Smooth White



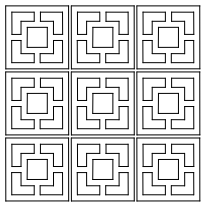
**Star**



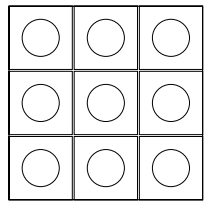
**Astro**



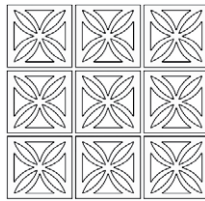
**Hindu**



**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
<b>Smooth Face</b>						
<b>Shot Face</b>						
<b>Honed Face</b>						
<b>Polished Face</b>						
<b>Split Face</b>						

\* 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:



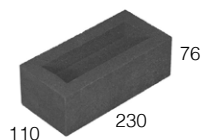
**Sea Breeze Blocks: A Breath of Fresh Air**



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.

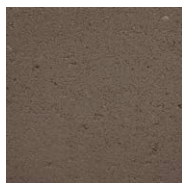


# Architectural Designer Brick - Smooth, Shot & Polished in 6 Standard Colours

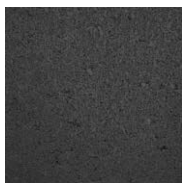


## 12.715SDB

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



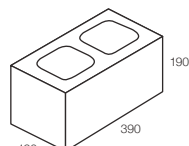
**Trade Grey M4 Mortar 20 kg**  
1 bag does approx 10 blocks or 20 bricks (also a range of oxides available for mortar matching or contrasting)



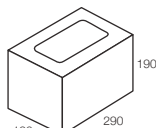
Designer Brick Polished Charcoal

## Heavy Duty Masonry - 40MPa Tinted Grey Rough Finish

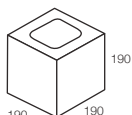
Heavy Duty blocks are tinted darker for Engineer identification and have a rougher texture than Lightweight Blocks - best used in rendered / non-face walls.



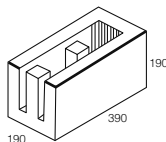
**20.01**  
Standard  
17.8 kg  
108 per pallet



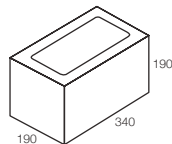
**20.02**  
Three Quarters  
12.6 kg  
144 per pallet



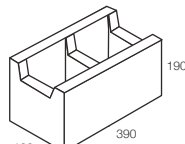
**20.03**  
Half  
9.9 kg  
180 per pallet



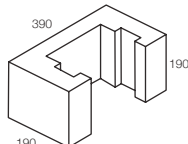
**20.21**  
Knockout Corner  
17.4 kg  
108 per pallet



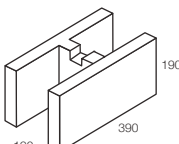
**20.22**  
Seven Eighths  
16.9 kg  
108 per pallet



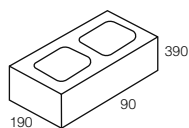
**20.42**  
Channel  
17.1 kg  
108 per pallet



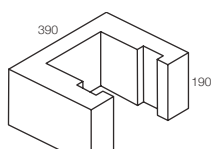
**20.45**  
Cleanout  
15.3 kg  
108 per pallet



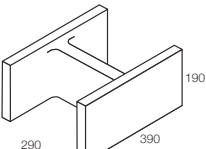
**20.48**  
H Block  
15.9 kg  
108 per pallet



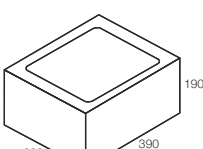
**20.71**  
Half Height  
8.3 kg  
216 per pallet



**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

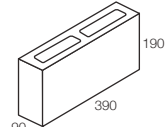


**20.48**  
H Block

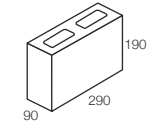


**20.71**  
Standard Half Height

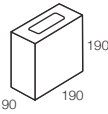
## 100 Series ( $f'_{uc} = 15\text{MPa}$ )



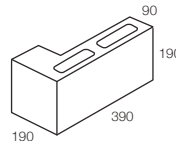
**10.01**  
Standard  
8.5 kg  
195 per pallet



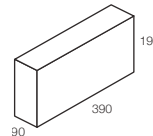
**10.02**  
Three Quarters  
6.7 kg  
240 per pallet



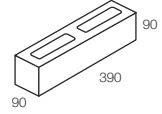
**10.03**  
Half  
4.3 kg  
360 per pallet



**10.25**  
Corner Return  
11.4 kg  
120 per pallet

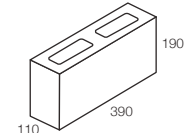


**10.31**  
Solid  
12.4 kg  
156 per pallet

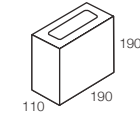


**10.71**  
Standard Half Height  
4.0 kg  
390 per pallet

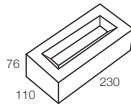
## 120 Series 2 hour insulation FRL ( $f'_{uc} = 15\text{MPa}$ )



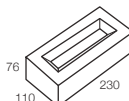
**12.709**  
Thickwall  
10.9 kg  
150 per pallet



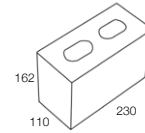
**12.703**  
Thickwall Half  
5.65 kg



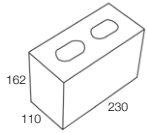
**12.715LW**  
Common Brick Super  
Light Non Load Bearing  
2.7 kg  
600 per pallet



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

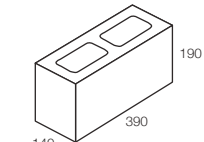


**12.796LW**  
Speed-E Brick Super  
Light Non Load Bearing  
4.75 kg  
300 per pallet

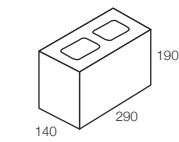


**12.796ST**  
Speed-E Brick Standard  
Load Bearing  
6 kg  
250 per pallet

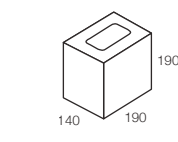
## 150 Series 2 hour insulation FRL ( $f'_{uc} = 15\text{MPa}$ )



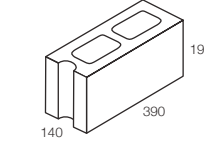
**15.01**  
Standard  
10.88 kg  
144 per pallet



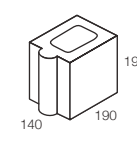
**15.02**  
Three Quarter  
8.9 kg  
160 per pallet



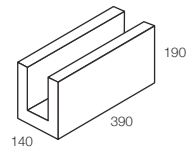
**15.03**  
Half  
5.6 kg  
240 per pallet



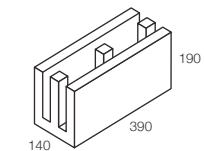
**15.09**  
Control Joint  
11.1 kg  
120 per pallet



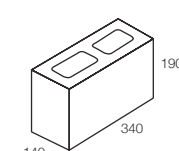
**15.10**  
Control Joint Half  
6.8 kg  
240 per pallet



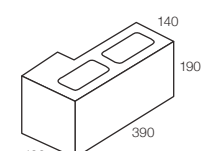
**15.12**  
Lintel  
16.2 kg  
120 per pallet



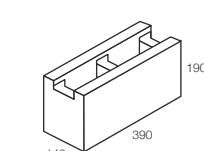
**15.20**  
Knockout Bond Beam  
10.6 kg  
120 per pallet



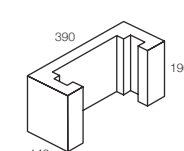
**15.22**  
Seven Eighths  
9.7 kg  
125 per pallet



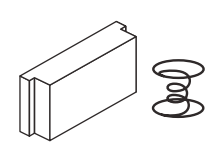
**15.25**  
Corner Return  
13.92 kg  
105 per pallet



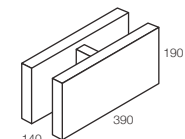
**15.42**  
Channel  
10.5 kg  
144 per pallet



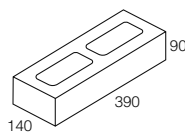
**15.45**  
Cleanout  
10.2 kg  
120 per pallet



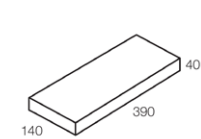
**50.45**  
Biscuit & Spring  
4.1 kg  
120 per pallet



**15.48**  
H Block  
11.01 kg  
144 per pallet

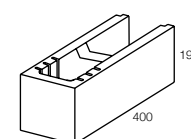


**15.71**  
Standard Half Height  
5.2 kg  
288 per pallet

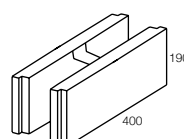


**50.15**  
Capping Tile  
4.1 kg  
360 per pallet

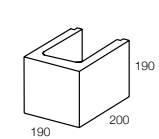
## Speed Blox (Perp Free Block)



**20.21SB**  
Full Length Corner  
14.34 kg  
90 per pallet

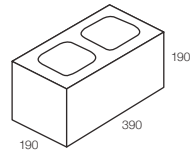


**20.48SB**  
H Block  
12.4 kg  
90 per pallet

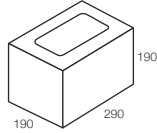


**20.03SB**  
Half  
6.94 kg  
165 per pallet

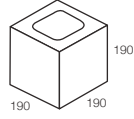
## 200 Series 2 hour insulation FRL ( $f'_{uc} = 15\text{MPa}$ unless noted)



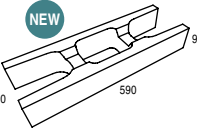
**20.01**  
Standard Flush Ends  
13.29 kg  
108 per pallet



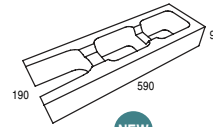
**20.02**  
Three Quarters  
9.4 kg  
144 per pallet



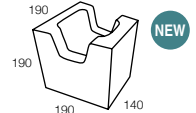
**20.03**  
Half  
7.32 kg  
180 per pallet



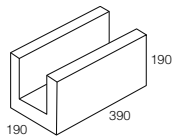
**20.759**  
590mm H Block  
1/2 Height  
8.8kg  
144 per pallet



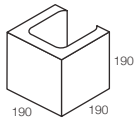
**20.75A**  
590mm A Block  
1/2 Height Cnr/End  
9.2kg  
144 per pallet



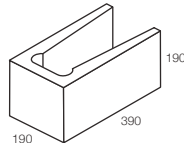
**20.03C**  
Curved Wall  
6.3kg  
180 per pallet



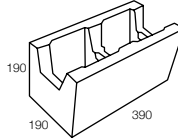
**20.12**  
Full Lintel  
18.1 kg  
90 per pallet



**20.13**  
Half Lintel  
7.3 kg  
220 per pallet

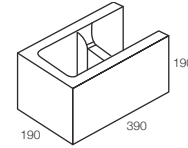


**20.18**  
Deep Lintel  
14.4 kg  
125 per pallet

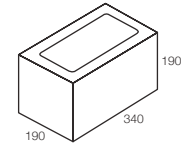


**20.20A**  
Deep Channel  
12.6 kg  
108 per pallet

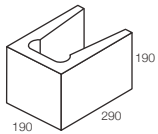
20.20A & 20.21A Innovative Knockouts: No biscuits, No mess



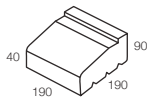
**20.21A**  
Deep Channel Corner  
12.4 kg  
108 per pallet



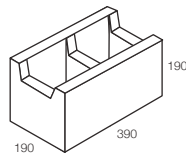
**20.10**  
Control Joint Half  
8.5 kg  
72 per pallet



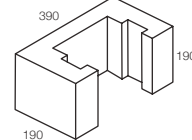
**20.25**  
Three Quarter Lintel  
10.2 kg  
165 per pallet



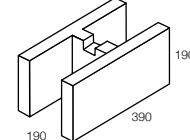
**20.40**  
Half Height Sill  
4.48 kg  
360 per pallet



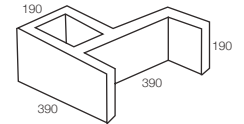
**20.42**  
Channel  
13.09 kg  
108 per pallet



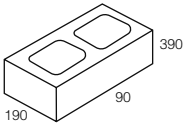
**20.45**  
Cleanout  
11.62 kg  
108 per pallet



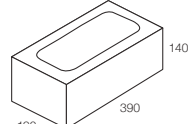
**20.48**  
H Block  
12.02 kg  
108 per pallet



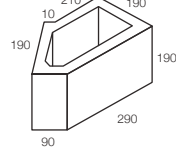
**20.60**  
Bonded PR  
17.9 kg  
60 per pallet



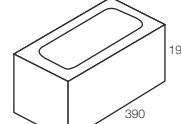
**20.71**  
Standard Half Height  
7.3 kg  
216 per pallet



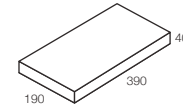
**20.140**  
Standard  
11.2 kg  
108 per pallet



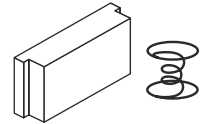
**20.748**  
Squint  
10.2 kg  
90 per pallet



**20.925**  
Single Core  
15.1 kg  
108 per pallet

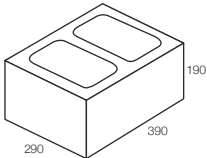


**50.31**  
Capping Tile  
5.7 kg  
270 per pallet

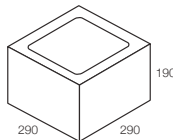


**50.45**  
Biscuit & Spring  
4.1 kg  
120 per pallet

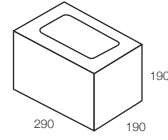
## 300 Series 2 hour insulation FRL ( $f'_{uc} = 15\text{MPa}$ unless noted)



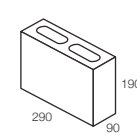
**30.01**  
Standard  
18.9 kg  
72 per pallet



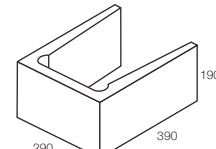
**30.02**  
Three Quarter  
14.8 kg  
80 per pallet



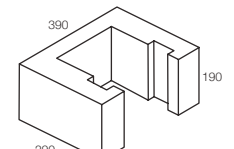
**30.03 (20.02)**  
Half  
9.4 kg  
144 per pallet



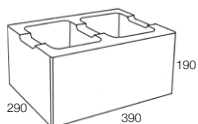
**30.04 (10.02)**  
Quarter  
6.7 kg  
240 per pallet



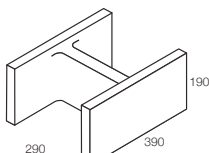
**30.18**  
Deep Lintel  
17.1 kg  
85 per pallet



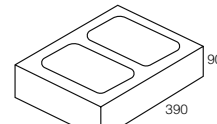
**30.45**  
Cleanout  
16.65 kg  
60 per pallet



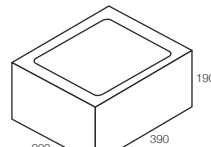
**30.42**  
Channel  
18.8 kg  
60 per pallet



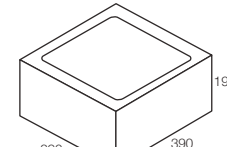
**30.48**  
H Block  
14.7 kg  
72 per pallet



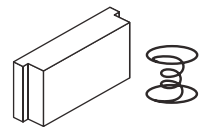
**30.71**  
Half Height  
9.25 kg  
144 per pallet



**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 1m<sup>3</sup> of Mortar

- For every 800 full height blocks (390 long x 190 high) or 64m<sup>2</sup> of wall, approximately 1m<sup>3</sup> 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
	Sand	1.2m <sup>3</sup>	Sand	1.2m <sup>3</sup>
M4	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 <sup>3</sup>	Sand	1.2m <sup>3</sup>

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/m<sup>3</sup>.
- Round aggregate (if any) not more than 10mm.
- Clean sand (1.2m<sup>3</sup>)
- 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

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