

# Block & Brick

January 2010

creating **better** living



## Product Guide

South Queensland

# Block & Brick Product Guide

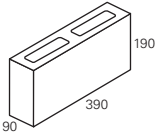
Boral Masonry



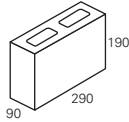
## Smooth Faced Blocks

All available in Natural Grey.

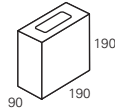
### 100mm Series ( $f'_{uc} = 15\text{MPa}$ )



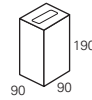
**10.01**  
Standard  
11.1 kg  
195 per pallet



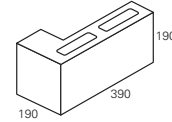
**10.02**  
Three Quarters  
8.8 kg  
240 per pallet



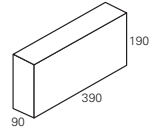
**10.03**  
Half  
5.4 kg  
360 per pallet



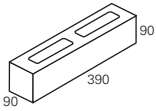
**10.04**  
Quarter  
3.6 kg  
720 per pallet



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

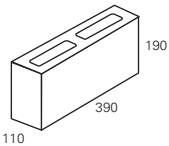


**10.31**  
Solid  
14.5 kg  
156 per pallet

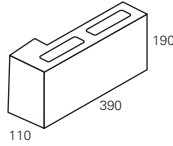


**10.71**  
Standard Half Height  
5.4 kg  
390 per pallet

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

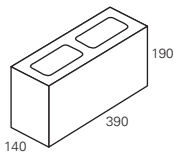


**12.709**  
Thickwall  
13.3 kg  
150 per pallet

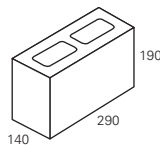


**12.725**  
Corner Return  
13.7 kg  
120 per pallet

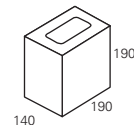
### 150mm Series ( $f'_{uc} = 15\text{MPa}$ )



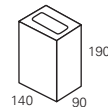
**15.01**  
Standard  
13 kg  
144 per pallet



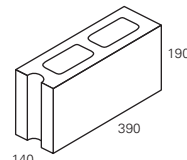
**15.02**  
Three Quarter  
10.2 kg  
160 per pallet



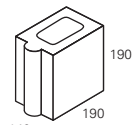
**15.03**  
Half  
7.1 kg  
240 per pallet



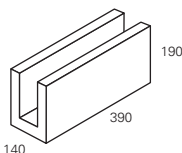
**15.04**  
Quarter  
5.4 kg  
384 per pallet



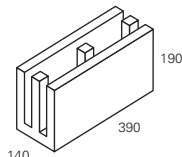
**15.09**  
Control Joint  
13.7 kg  
120 per pallet



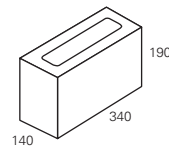
**15.10**  
Control Joint Half  
8 kg  
240 per pallet



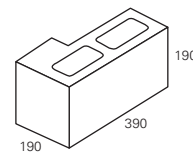
**15.12**  
Lintel  
17.2 kg  
120 per pallet



**15.20**  
Knockout Bond Corner  
15.1 kg  
120 per pallet



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



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

# Block & Brick Product Guide

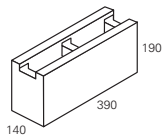
Boral Masonry



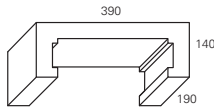
## Smooth Faced Blocks

All available in Natural Grey.

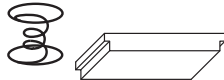
### 150mm Series ( $f'_{uc} = 15\text{MPa}$ )



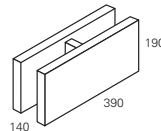
**15.42**  
Channel  
12.5 kg  
144 per pallet



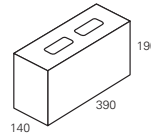
**15.45**  
Cleanout  
9.6 kg  
120 per pallet



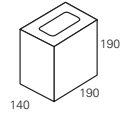
**50.45**  
Biscuit & Spring  
7.0 kg  
360 per pallet



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

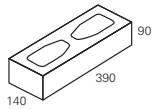


**15.709**  
Thick Wall  
17.8 kg  
96 per pallet

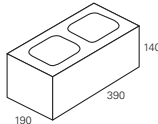


**15.703**  
Thick Wall Half  
9.0 kg  
192 per pallet

**(can also be purchased as 12 x 15.703 and 90 x 15.709 per pallet)**

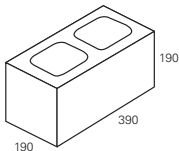


**15.71**  
Standard Half Height  
6.25 kg  
240 per pallet

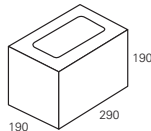


**15.934**  
Standard  
14.7 kg  
108 per pallet

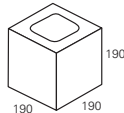
### 200mm Series ( $f'_{uc} = 15\text{MPa}$ unless noted)



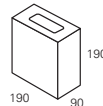
**20.01**  
Standard  
16.0 kg  
108 per pallet



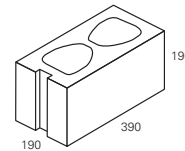
**20.02**  
Three Quarters  
11.5 kg  
144 per pallet



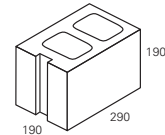
**20.03**  
Half  
9.1 kg  
180 per pallet



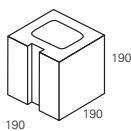
**20.04 (10.03)**  
Quarter  
7.4 kg  
360 per pallet



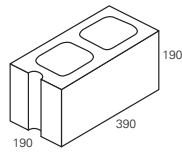
**20.05**  
Sash Groove  
16.6 kg  
**1 in 6 with 20.01**  
**(Not sold separately)**



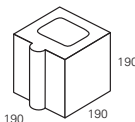
**20.06**  
Three Quarter Sash  
14 kg  
**1 in 6 with 20.02**  
**(Not sold separately)**



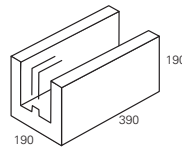
**20.07**  
Half Sash  
8.5 kg  
**1 in 6 with 20.03**  
**(Not sold separately)**



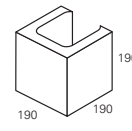
**20.09**  
Full Control Joint  
18.8 kg  
60 per pallet  
**1 pallet = 60 x 20.09 and 20.10**  
**(Sold in pairs)**



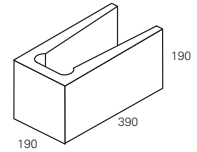
**20.10**  
Control Joint Half  
10.7 kg  
60 per pallet



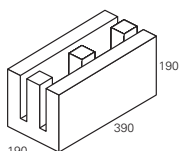
**20.12**  
Lintel  
20.8 kg  
90 per pallet



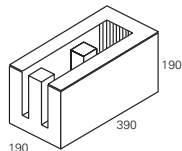
**20.13**  
Half Lintel  
9.6 kg  
220 per pallet



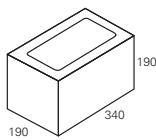
**20.18**  
Deep Lintel  
14.9 kg  
125 per pallet



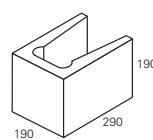
**20.20**  
Knockout Bond Beam  
16.4 kg  
108 per pallet



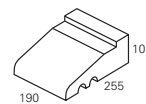
**20.21**  
Knockout Bond Corner  
17.2 kg  
108 per pallet



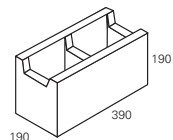
**20.22**  
Seven Eighths  
13.0 kg  
90 per pallet



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



**20.38**  
Half Height Sill  
9.2 kg  
260 per pallet



**20.42**  
Channel  
15.6 kg  
108 per pallet

# Block & Brick Product Guide

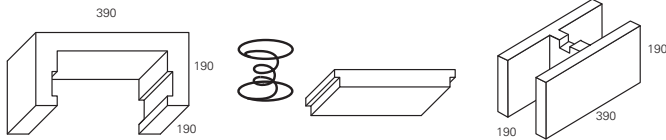
Boral Masonry



## Smooth Faced Blocks

All available in Natural Grey.

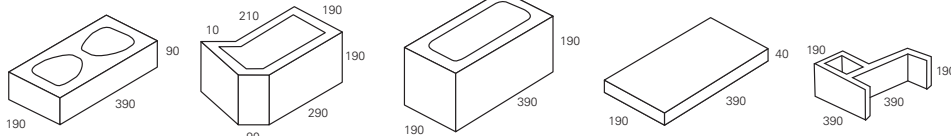
### 200mm Series ( $f'_{uc} = 15\text{MPa}$ unless noted)



**20.45**  
Cleanout  
14.0 kg  
108 per pallet

**50.45**  
Biscuit & Spring  
7.0 kg  
360 per pallet

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



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

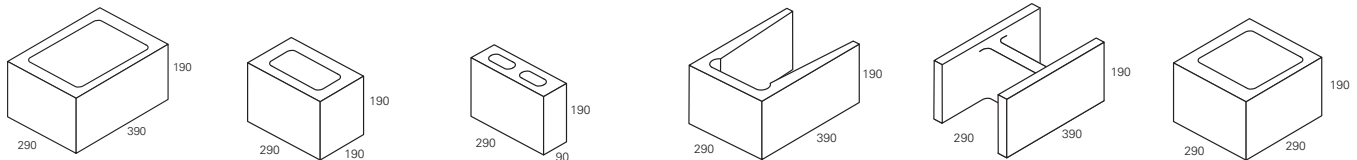
**20.748**  
Squint  
12.2 kg  
90 per pallet

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

**50.31**  
Capping Tile  
7.0 kg  
252 per pallet

**20.60**  
Bonded PR  
16.6 kg  
48 per pallet

### 300mm Series ( $f'_{uc} = 15\text{MPa}$ unless noted)



**30.925**  
Standard  
17.5 kg  
72 per pallet

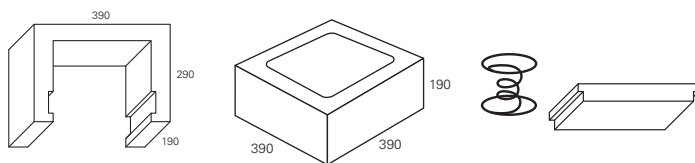
**30.03 (20.02)**  
Half  
11.5 kg  
120 per pallet

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

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

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

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



**30.45**  
Cleanout  
22.7 kg  
60 per pallet

**40.40**  
400 Pier Block  
23.08 kg  
48 per pallet

**50.45**  
Biscuit & Spring  
7.0 kg  
360 per pallet

# Block & Brick Product Guide

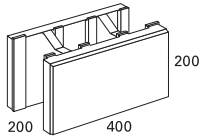
Boral Masonry



## Connex™ Mortarless Block System

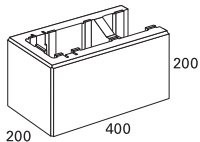
All available in Natural Grey.

### 200mm Series



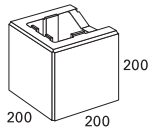
**Stretcher Unit**

15.7 kg  
90 per pallet



**End & Corner Unit**

16.0 kg  
90 per pallet

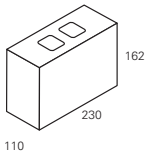


**Half unit**

9.0 kg  
180 per pallet

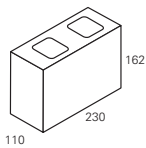
## Speed-E-Bricks

All available in Natural Grey.



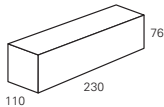
**120.796**

Speed - E  
7.1 kg  
250 per pallet



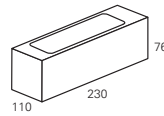
**120.789**

Speed - E  
(Lightweight)  
5.6 kg  
250 per pallet



**120.715**

Render Grade  
(Solid)  
4.0 kg  
400 per pallet

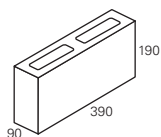


**120.719**

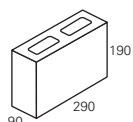
Render Grade  
(Lightweight)  
3.0 kg  
500 per pallet



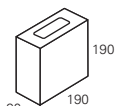
## Designer Blocks – Smooth, Shot-Blast, Honed and Polished Face



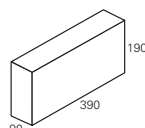
**10.01**  
Standard  
11.1 kg  
195 per pallet



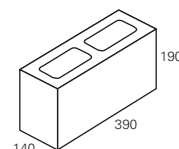
**10.02**  
Three Quarters  
8.8 kg  
240 per pallet



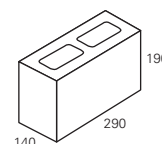
**10.03**  
Half  
5.4 kg  
360 per pallet



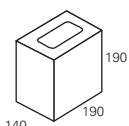
**10.31**  
Solid  
14.5 kg  
144 per pallet



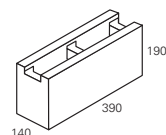
**15.01**  
Standard  
13 kg  
144 per pallet



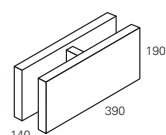
**15.02**  
Three Quarter  
10.2 kg  
160 per pallet



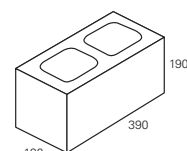
**15.03**  
Half  
7.1 kg  
240 per pallet



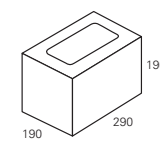
**15.42**  
Channel  
12.5 kg  
144 per pallet



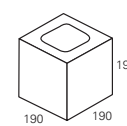
**15.48**  
H Block  
12.5 kg  
144 per pallet



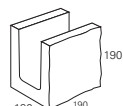
**20.01**  
Standard  
16.0 kg  
108 per pallet



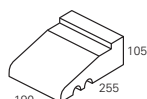
**20.02**  
Three Quarters  
11.5 kg  
144 per pallet



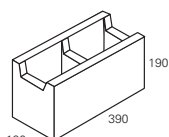
**20.03**  
Half  
9.1 kg  
180 per pallet



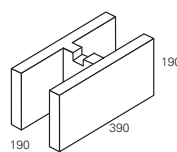
**20.13**  
Half Lintel  
9.6 kg  
220 per pallet



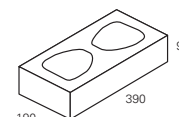
**20.38**  
Half Height Sill  
9.2 kg  
240 per pallet



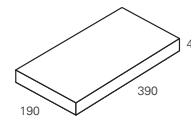
**20.42**  
Channel  
15.6 kg  
108 per pallet



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

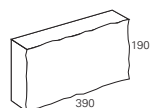


**20.71**  
Standard Half Height  
7.5 kg  
216 per pallet

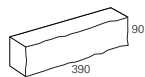


**50.31**  
Capping Tile  
7.0 kg  
252 per pallet

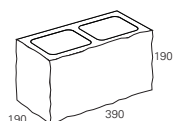
## Designer Blocks – Split Face



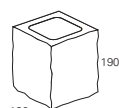
**10.101**  
Standard  
11.1 kg  
108 per pallet



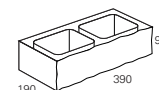
**10.109**  
Standard Half Height  
5.4 kg  
390 per pallet



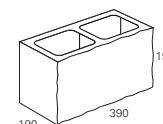
**20.139**  
Corner Return  
16.0 kg  
90 per pallet



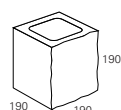
**20.140**  
Corner Return Half  
9.1kg  
180 per pallet



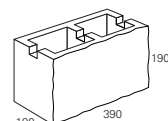
**20.127**  
Standard Half Height  
7.5kg  
180 per pallet



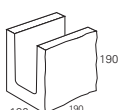
**20.121**  
Standard  
16.0 kg  
90 per pallet



**20.123**  
Half  
9.1 kg  
180 per pallet



**20.142**  
Channel  
15.6 kg  
90 per pallet



**20.113**  
Half Lintel  
8.9 kg  
180 per pallet

## Designer Blocks - Colours and Textures

The products marked by an asterisk are stock colours and textures available. All other colours and textures are made to order.

	*Smooth Face	Shot-Blast Face	Honed Face	Polished Face	*Split Face
Alabaster					
*Almond					
*Charcoal					
Paperbark					
*Pearl Grey					
Terrain					
Wilderness					

### Five Innovative Textures

**Smooth Face** A finely textured finish created through the standard moulding process.

**Shot-Blast Face** This process subtly exposes the aggregates, producing a weathered, sawn stone-like finish.

**Honed Face** The honing 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. Polishing enriches the colour of

the aggregates. The finely finished polished surface is ideal for feature walls, trims and banding.

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



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 m <sup>2</sup>	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.
- There are 12.5 full blocks per square metre of wall surface area.

	Grey Block		Designer Block	
<b>M3</b>	<i>Mix in 1:1:6 proportions</i>		<i>Mix in 1:5 proportions</i>	
	Cement	7 bags (40kg each)	Cement	8 bags (40kg each)
	Lime	5 bags (20kg each)	Designer Block <sup>®</sup> Additive	8 litres
	Sand	1.2m <sup>3</sup>	Sand	1.2m <sup>3</sup>
<b>M4</b>	<i>Mix in 1:0.5:4.5 proportions</i>		<i>Mix in 1:4 proportions</i>	
	Cement	9 bags (40kg each)	Cement	10 bags (40kg each)
	Lime	3 bags (20kg each)	Designer Block <sup>®</sup> Additive	27 litres
	Sand	1.2m <sup>3</sup>	Sand	1.2m <sup>3</sup>
<b>Note:</b> 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/m<sup>3</sup>.
- Round aggregate (if any) not more than 10mm.
- Clean sand (1.2m).
- A pouring consistency which ensures that the cores are completely filled and the reinforcement completely surrounded without segregation of the constituents.

Core Fill Quantities	
Block Type	1m <sup>3</sup> Grout
15.01	230
15.48	210
20.01	150
20.48	125
30.01	90
30.48	69
40.40	50

## 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.

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Facsimile (07) 3271 1815

### Labrador

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Biggera Waters QLD 4216  
Telephone (07) 3271 9292  
Facsimile (07) 5594 9040

- Stock colours and textures** Blocks are available in Smooth or Split Face finishes in nominal 100 or 200mm thicknesses. Part sizes are usually cut on site or manufactured dependent on the quantity ordered. A surcharge applies to orders less than set minimum quantities.
- Textures** Finishes including Honing, Polishing and Shot-blasting are produced on a "made to order" basis. Lead times apply as the product must be cured for four weeks to harden sufficiently before processing. Contact your nearest Boral Masonry office for approximate lead times and premiums on special textured finishes.
- Strength** As stated in this brochure all Boral Masonry units suitable for core-filled reinforced retaining walls are made to a minimum grade strength of 15MPa, as per AS4456.4.
- Contact our sales office for specific fire rated products available in our standard unit and FireLight™ units.
- We reserve the right to change the details in this publication without notice. All specifications are correct at time of printing.
- For a full set of Terms and Conditions of Sales please contact your nearest Boral Masonry sales office.

For technical assistance:

Call **Specifier Line on 1300 360 255**

Visit **www.boral.com.au/mdg**