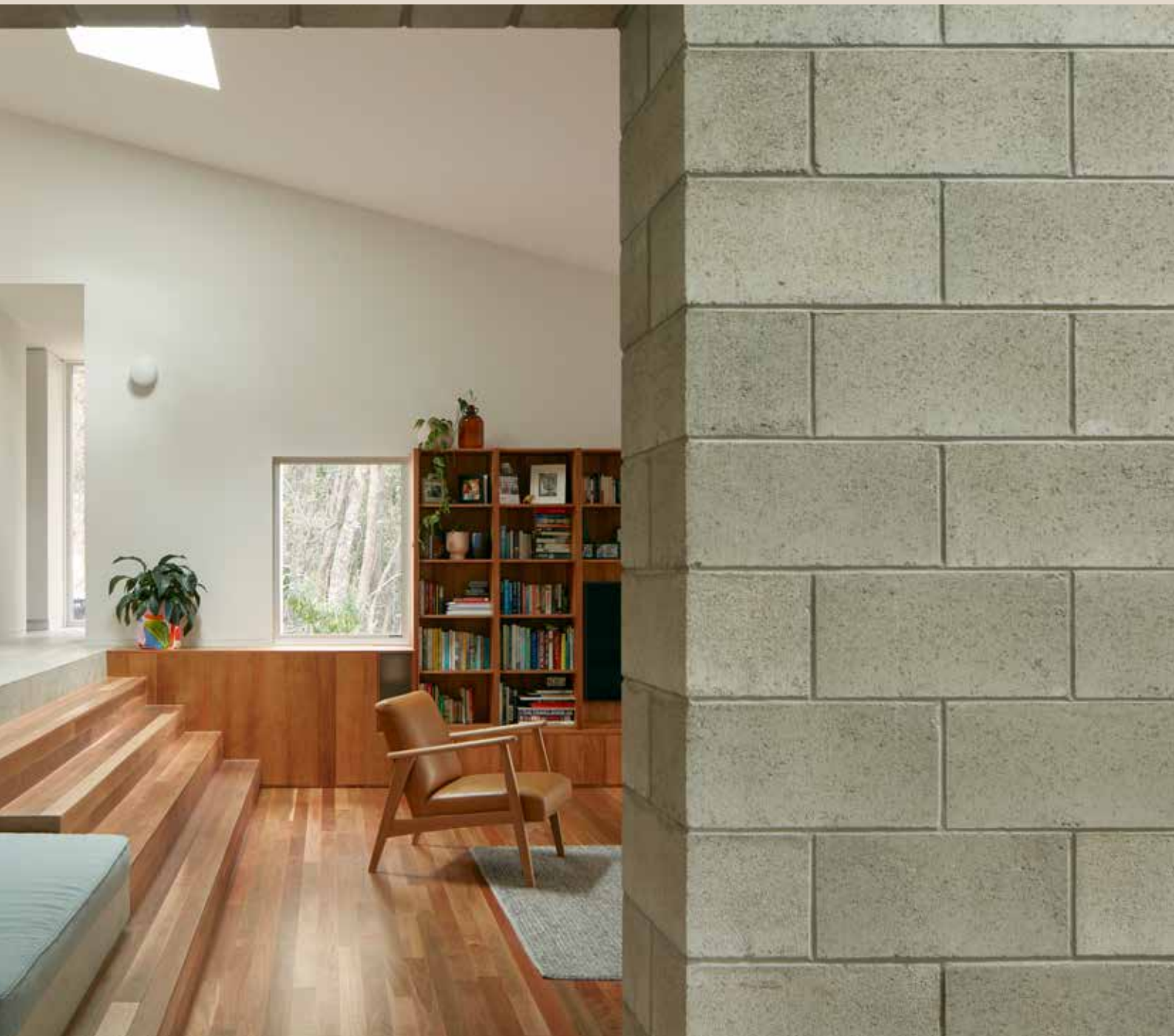


Australite Grey Blocks

New South Wales



What's inside

- 1 – Our Collection p⁰²
- 2 – Grey Blocks p⁰⁴
 - 100 Series p⁰⁴
 - 120 Series p⁰⁴
 - 150 Series p⁰⁵
 - 200 Series p⁰⁶
 - 300 Series p⁰⁷
- 3 – Technical Guide p⁰⁸
- 4 – Get in Touch p¹⁸

Cover Image:

Product – Grey Blocks

Architect – Nielsen Jenkins

Photographer – Tom Ross

A BRAND OF

BRICKWORKS

Grey Blocks



Product – Grey Blocks
Architect – 9Points Architects
Photographer – Matthew Gianoulis

Australite Grey Blocks

Austral Masonry manufactures a range of grey masonry blocks that comply with the requirements of the Australian Standard AS/NZS4455.1:2008 tested under AS4456:2013.

The range has been designed as all-purpose units to meet a range of masonry site requirements. These masonry units are not only lightweight and load-bearing but also achieve high fire rating and sound insulation.

Range







- 100 series
- 120 series
- 150 series
- 200 series
- 300 series
- Commons



Product - Grey Blocks
Architect - MRTN Architects
Photographer - Peter Bennetts



100 Series

Australite Grey Blocks

	Product	Size (mm)	Weight	Units per pallet	f _{uc} (MPa)	Insulation FRL
	10.01 Full Hollow	390L x 90W x 190H	9.5kg	180	>15	120
	10.02 (30.04) Three Quarter	290L x 90W x 190H	6.9kg	240	>15	120
	10.03 (20.04) Half	190L x 90W x 190H	4.2kg	360	>15	120
	10.04 Quarter Solid	90L x 90W x 190H	2.7kg	432	>15	120
	10.83 Half Height Solid	390L x 90W x 90H	5.5kg	288	>10	120
	10.31 90mm Solid	390L x 90W x 190H	11.9kg	144	>10	120

120 Series

Australite Grey Blocks

	Product	Size (mm)	Weight	Units per pallet	f _{uc} (MPa)	Insulation FRL
	12.01 Full	390L x 110W x 190H	10.5kg	150	>15	120
	12.01FL Full	390L x 110W x 190H	8.2kg	150	>3	120

150 Series

Australite Grey Blocks

	Product	Size (mm)	Weight	Units per pallet	f _{uc} (MPa)	Insulation FRL
	15.01 Full Hollow	390L x 140W x 190H	10.3kg	144	15	120
	15.02 Three Quarter	290L x 140W x 190H	7.7kg	160	15	120
	15.03 Half	190L x 140W x 190H	5.5kg	252	15	120
	15.22 Corner	340L x 140W x 190H	9.6kg	135	15	120
	15.49 Open End	390L x 140W x 190H	9.1kg	120	15	120 when grouted
	15.12 Lintel	390L x 140W x 190H	12.1kg	120	15	120 when grouted
	15.83 Half Height Solid	390L x 140W x 90H	8.8kg	192	10	120
	15.421* Recessed Web	390L x 140W x 190H	10.2kg	144	15	120
	15.48 H Block	390L x 140W x 190H	10.1kg	144	15	120
	15.401 4 Hour Insulated FRL	390L x 140W x 190H	15.1kg	144	10	240
	15.AC Acousticell	390L x 140W x 190H	13.4kg	120	15	-

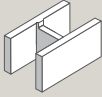



200 Series

Australite Grey Blocks

	Product	Size (mm)	Weight	Units per pallet	f _{uc} (MPa)	Insulation FRL
	20.01 Full	390L x 190W x 190H	12kg	108	15	120
	20.02 Three Quarter	290L x 190W x 190H	9.2kg	120	15	120
	20.03 Half	190L x 190W x 190H	7.15kg	180	15	120
	20.12 Lintel or Bond Beam	390L x 190W x 190H	17.8kg	90	15	120 when grouted
	20.71 Half Height Hollow	390L x 190W x 90H	6kg	180	15	120
	50.31 190 Capper	390L x 190W x 40H	5.4kg	288	-	-
	20.401 4 Hour Insulation FRL	390L x 190W x 190H	14.1kg	108	10	240
	20.421* Recessed Web	390L x 190W x 190H	11.6kg	108	15	120
	20.91 Double U Block	390L x 190W x 190H	10.4kg	108	15	120
	20.48 'H' Block	390L x 190W x 190H	10.8kg	108	15	120
	20.93 Half End	190L x 190W x 190H	4.7kg	180	15	180
	20.49 Corner & End	390L x 190W x 190H	13.9kg	108	15	180
	20.96 & 10.34* C Block Clean Out* *optional for stability	390L x 190W x 190H 90L x 90W x 190H	11.6kg 2.7kg	108 432	15 15	120 120



300 Series

Australite Grey Blocks

	Product	Size (mm)	Weight	Units per pallet	f'uc (MPa)	Insulation FRL
	30.48 'H' Block	390L x 290W x 190H	14kg	72	15	120
	30.93 Half End	190L x 290W x 190H	8.7kg	120	15	120
	30.92 End	390L x 290W x 190H	16.2kg	60	15	120
	20.96 & 10.03 Clean Out	390L x 290W x 190H 190L x 90W x 190H	11.6kg 4.2kg	108 360	15 15	120 120


Concrete Commons

Australite Grey Blocks

	Product	Size (mm)	Weight	Units per pallet	f'uc (MPa)	Insulation FRL
	11-76SG Common	230L x 110W x 76H	4.1kg	500	12	180
	9.162	290L x 90W x 162H	6.5kg	288	10	120
	11.162SG	230L x 110W x 162H	6.2kg	250	10	180
	11.192SG	230L x 110W x 119H	4.5kg	350	10	180

Fire Light (FL) Series

Blocks

	Product	Size (mm)	Weight	Units per pallet	f'uc (MPa)	Insulation FRL
	11.162FL Fire Light	230L x 110W x 162H	4.5kg	300	3	120

Block and brick estimator

Material Quantities for 1m of Mortar

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

Mortex Preblended Mortar

1 x 20kg bag will cover 10-12 x 100 and 200 Series Full Height Blocks.

Concrete for Core Filling

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

- Concrete to comply with AS3700 Clause 10.7.
- Characteristic Compressive Strength minimum 20MPa.
- Where concrete is to provide protection to reinforcement, cement content shall be 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.

M3 Masonry Block

Mix in 1 : 1 : 6 proportions

Cement	10 bags (20kg)
Lime	5 bags (20kg each)
Sand	1.0m ³ (1.4t)

M4 Masonry Block

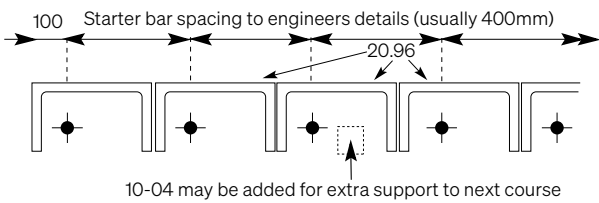
Mix in 1 : 0.5 : 4.5 proportions

Cement	13 bags (20kg each)
Lime	3 bags (20kg each)
Sand	1.0m ³ (1.4t)

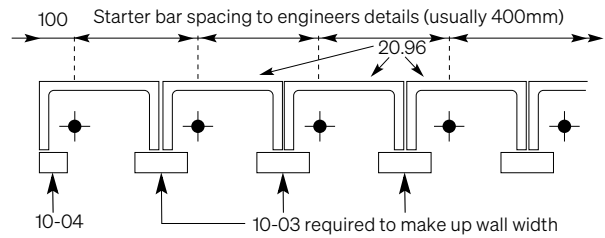
Core Filling Quantities

Block Type	1m ³ Concrete
15.421	210
15.48	210
20.421	132
20.48	110
30.48	70

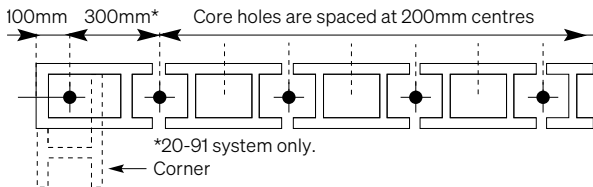
20.421 and 20.48 Clean Out Course and Starter Bar Spacing



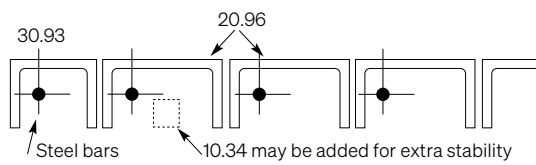
30.48 Clean Out Course and Starter Bar Spacing



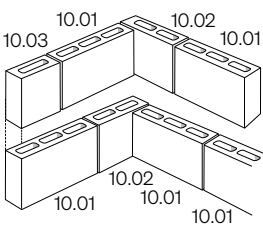
Core Spaces at end and corners



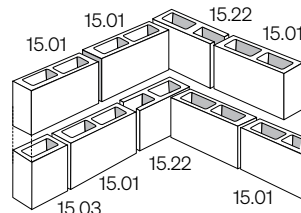
Clean Out Course



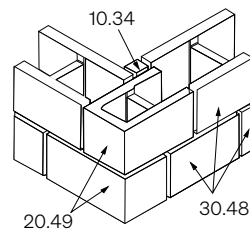
**Corner Details
100 Series**



**Corner Details
150 Series**



**Corner Details
300 Series**





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