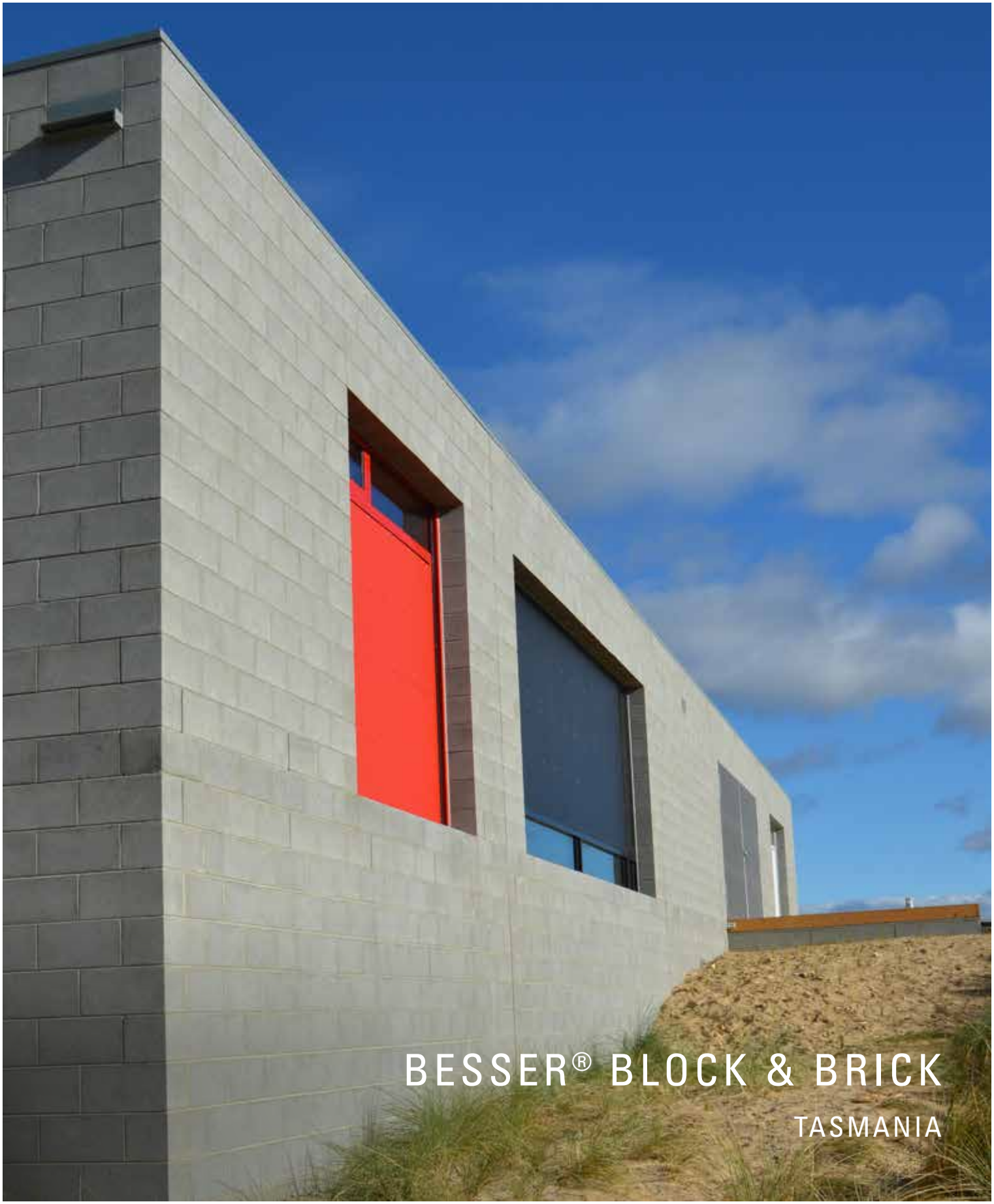
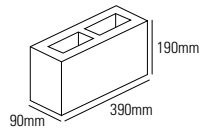
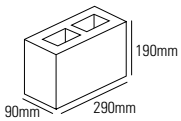
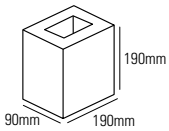
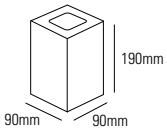
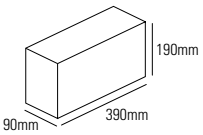
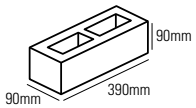
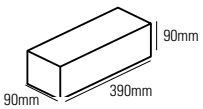
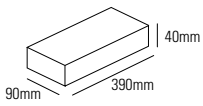
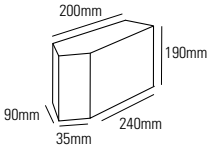
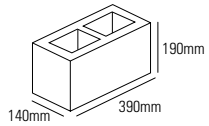
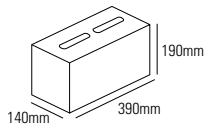
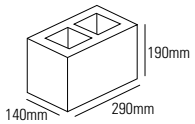
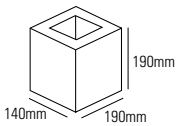
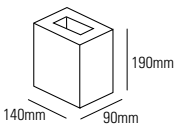
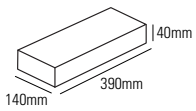
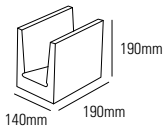
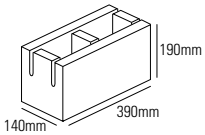
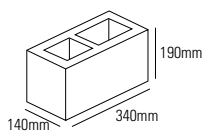
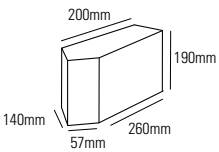
adbri MASONRY
working together

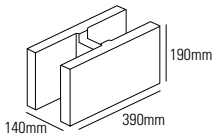
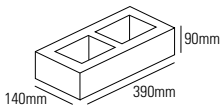


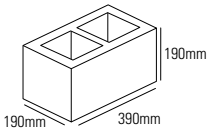
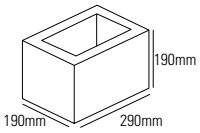
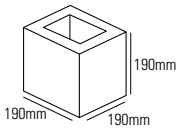
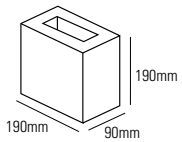
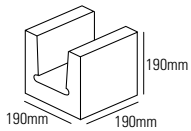
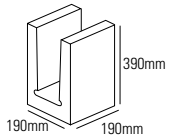
BESSER® BLOCK & BRICK

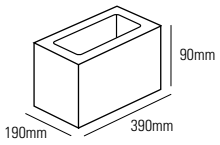
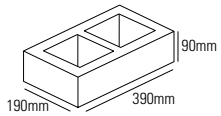
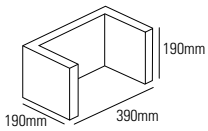
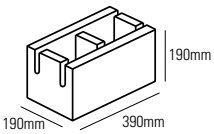
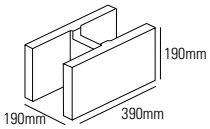
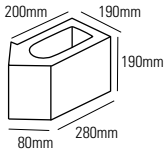
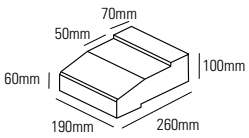
TASMANIA

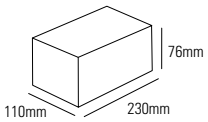
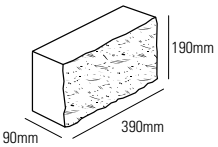
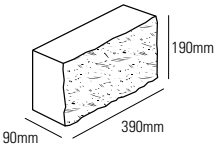
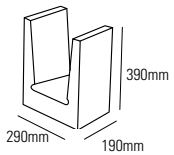
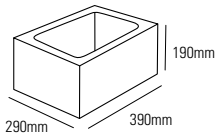
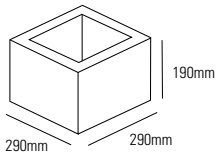
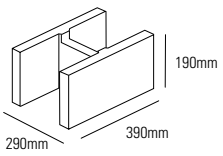
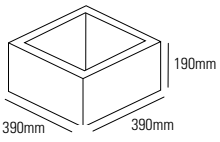
Products	Description	Code	No. per Pallet	Average Number per Tonne	Weight per unit (kg)
Block - 100mm Series					
	Regular	NAT 10.01 LW	156	86	11.66
			195	147	6.8
	Three Quarter	NAT 10.02 LW	260	115	8.7
			312	196	5.1
	Half	NAT 10.03 LW	312	182	5.5
			390	286	3.5
	Quarter	NAT 10.04 LW	624	345	2.9
			624	556	1.8
	Solid	NAT 10.31 LW	156	65	15.47
			156	76	13.24
	Slimline	NAT 10.71 LW	390	185	5.4
			432	285	3.8
	Split Rock	10.109	288	133	7.5
	Split Rock	10.117	600	278	3.6
	Squint	10.45	240	125	8.0

Products	Description	Code	No. per Pallet	Average Number per Tonne	Weight per unit (kg)
Block - 150mm Series					
	Regular	NAT 15.01 LW	120	71	14.1
			144	107	9.4
	Semi Solid	NAT 15.31s LW	120	48	20.9
			120	76	13.2
	Three Quarter	NAT 15.02 LW	160	91	11.1
			192	135	7.4
	Half	NAT 15.03 LW	240	130	7.7
			288	192	5.2
	Quarter	NAT 15.04 LW	416	222	4.5
			624	333	3
	Split Rock Cap	15117	440	165	6
	Shallow Lintel	NAT 15.13 LW	240	139	7.2
			288	185	5.4
	Knock-out	NAT 15.20 LW	120	77	13.0
			144	91	11
	Corner	NAT 15.22 LW	120	80	12.5
			144	125	8
	Squint	15.45	120	100	10.0

Products	Description	Code	No. per Pallet	Average Number per Tonne	Weight per unit (kg)
Block - 150mm Series (Continued)					
	Pool Block	NAT 15.48 LW	120	73	13.78
			144	85	11.7
	Half Height	NAT 15.71 LW	240	151	6.64
			288	200	5.0

Products	Description	Code	No. per Pallet	Average Number per Tonne	Weight per unit (kg)
Block - 200mm Series					
	Regular	NAT 20.01 LW	90	59	17.01
			108	90	11.1
	Three Quarter	NAT 20.02 LW	120	70	14.3
			144	120	8.4
	Half	NAT 20.03 LW	180	91	9.0
			216	204	4.9
	Quarter	NAT 20.04 LW	312	182	5.5
			390	286	3.5
	Shallow Lintel	NAT 20.13 LW	180	100	10.0
			216	142	7
	Deep Lintel	NAT 20.18 LW	90	65	15.5
			108	100	10

Products	Description	Code	No. per Pallet	Average Number per Tonne	Weight per unit (kg)
Block - 200mm Series (Continued)					
	Orion	NAT 20.934 LW	90	61	16.39
			108	87	11.5
	Half Height	NAT 20.71 LW	180	93	10.76
			216	142	7
	Half Pilaster	20.61	90	64	15.7
	Knock-out	NAT 20.20 LW	90	53	18.9
			108	71	14
	Pool Block	NAT 20.48 LW	90	62	16.07
			108	77	13
	Squint 45	20.45	90	63	16.0
	Sill	20.38	216	125	8.0

Products	Description	Code	No. per pallet	Average Number per Tonne	Weight per unit (kg)
Block - Special Series					
	Common	NAT	500	286	3.5
		LW	600	400	2.5
	Ptched Stone	10101b	144	65	12.5
	Sandhurst Stone	10101	144	65	12.5
	Deep Lintel	30.18	72	52	19.3
	Regular LW	30.925	72	58	17.3
	Three Quarter	3002	96	65	15.56
	Pool Block	NAT 30.48 LW	72	44	22.9
			72	56	18
	Single Core	40.925	60	48.3	20.7

Natural Colour Variation:

Please be aware that Besser® Blocks are made from natural materials and as such colour variation does occur. These variations can be caused by such things as raw material colour, moisture, plant location, length of time a product has been store, etc.

With this in mind Adbri Masonry do not guarantee that all products will be the same colour or shade. If you require"face" block-work please talk to your sales representative before placing your order so we can endeavour to colour match, or make the product specifically for your project needs.

MORTAR AND GROUT INFORMATION

The Three Principal Functions of Mortar are:

1. To provide an even bedding for the blocks and allow level courses by taking up small variations in unit height.
2. To transmit compressive loads
3. To hold the blocks together in the wall by bonding to them, so that tensile and shear forces can be carried (this is often referred to as bond strength). This is particularly important so that units on the top of a wall are not easily dislodged.

In order to provide a good bond between the units and the mortar, the following guidelines should be followed:

- An appropriate mortar mix design should be selected - see table below
- The mortar should be batched accurately using some consistent form of volume measurement, e.g. 1/2 bag of cement, 1/2 bag of lime, and 18 shovels of sand for a 1:1:6 mix.
- The sand used in mortar should be clean pit sand, masonry sand or plasterer's sand. Clayey loam or sand containing organic impurities will affect the mortar strength and should not be used.
- Mortar should be discarded and not retempered, after the initial set of the cement has taken place.
- Admixtures. Caution shoud be exercised when using lime replacing additives such as plasticisers or workability agents. They should only be used if specified by the architect or engineer and then strictly in accordance with the manufcturers instructions.
- Detergent should never be used

Table of Mortar Mixes

Mix Proportions by Polume			Methyl Cellulose Added (see note 1)	Where Used
GP Portland Cement	Lime	Sand		
1	1/4	3	Optional	High durability - use when in contact with earth, in retaining walls, below DPC's in fences adjacent to the sea, in capping courses to fences and parapets
1	1/2	4 1/2	Optional	Structural blockwork and severe exposure - fences - external walls adjacent to sea front
1	-	4	Yes	
1	1	6	Optional	General purpose with moderate exposure
1	-	5	Yes	
1	2	9	No	Fireplaces, barbecues and incinerators

Note: Methyl Cellulose water thickener is used to prevent the rapid drying out of the mortar thus improving its workability as well as increasing bond strength. It does not have the detrimental effect of some plasticisers. It is available under the trade name DYNEX or similar.

Volume of Grout Used in Filling Cores

Block Type	Volume of Concrete to Fill 1m² Wall Area (m³)	Volume of Concrete to Fill 100 Block (m³)	(Approx.) No. of Blocks Filled by 1 Cubic Metre (m³)
15.01 / 15.42	0.054	0.43	220
20.01 / 20.42	0.100	0.66	150
20.48 'H' Block	0.100	0.80	120
30.48	0.180	1.44	69

BRICKS | BESSER® BLOCKS | PAVERS | RETAINING WALLS

For all technical enquiries please email masonrytech@adbri.com.au and speak directly with our in-house Technical and Engineering Teams.

Free pallet collection service freecall 1800 674 961 or drop pallets back to place of purchase or lodge your pallet pick up online at adbrimasonry.com.au
Pallets remain Adbri Masonry property. Please telephone us for collection of pallets and keep pallets empty and stacked in a safe and accessible area for collection.

We will not accept any returns or claims more than 7 days after delivery or after products have been installed. We will not accept returns unless transport arrangements have been agreed and the products are in 'as received' condition and accessible for collection. We will only accept returns as follows:

- Paving and Retaining Walls - returns accepted only in full pallets stacked in original configuration.
- No returns accepted for any made to order product.

Contact Us

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Besser Brick & Block Guide
TAS - July 2018
ABM 4042
Adbri Masonry Pty Ltd
ABN: 31 009 687 521

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