









**BRIKMAKERS**  
INSPIRING INNOVATION

**CLAYBRICK** Utility Brick

# Standard 1½ Course

Technical Information						
	CORED	PAINT GRADE	LOAD BEARING 15	LOAD BEARING 18	LOAD BEARING 20	LOAD BEARING 25
Length x Width x Height (mm)	230 x 110 x 119	230 x 110 x 119	230 x 110 x 119	230 x 110 x 119	230 x 110 x 119	230 x 110 x 119
Pack dimensions (mm)	940 x 720 x 890	940 x 720 x 890	940 x 720 x 890	940 x 720 x 890	940 x 720 x 890	940 x 720 x 890
Dimensional category	DW1	DW1	DW1	DW1	DW1	DW1
No per pack	168	168	168	168	168	168
Approximate number per m <sup>2</sup> (including mortar joint)	32.5	32.5	32.5	32.5	32.5	32.5
Approximate unit weight (kg)	4.4	4.4	4.5	4.8	4.8	4.8
Approximate pack weight (kg)	739	739	756	806	806	806
Coring orientation	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Characteristic unconfined compressive strength $f_{uc}$ (MPa)	> 12	> 12	> 15	> 18	> 20	> 25
24 hour cold water absorption (%)	< 12	< 12	< 12	< 10	< 10	< 10
Nominal wall surface density (kg/m <sup>2</sup> )	165	165	170	175	175	175
Dry bulk density (kg/m <sup>3</sup> )	1,461	1,461	1,461	1,594	1,594	1,594
Co-efficient of expansion -em(mmm/m/15yrs)	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Perforation volume (%)	< 30	< 30	< 30	< 25	< 25	< 25
Gross initial rate of absorption (kg/m <sup>2</sup> /min)	< 2.2	< 2.2	< 1.8	< 1.8	< 1.8	< 1.8
Salt attack resistance category	Exposure	Exposure	Exposure	Exposure	Exposure	Exposure
Liability to efflorescence	Nil to Slight	Nil to Slight	Nil to Slight	Nil to Slight	Nil to Slight	Nil to Slight
Lime pitting	Nil	Nil	Nil	Nil	Nil	Nil
Solar absorbance rating	Medium	Medium	Medium	Medium	Medium	Medium
Fire resistance level for insulation -FRL (min)						
Single leaf wall unrendered (min)	90	90	90	90	90	90
Single leaf wall 20mm render both sides (min)	120	120	120	120	120	120

 Fire Resistance

 Sound Transmission

 Accessories

 1300 360 344

 [www.brikmakers.com](http://www.brikmakers.com)

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All Brikmakers' specifications testing is carried out in accordance with Australian/New Zealand Standards AS/NZS 4456 test methods where applicable. Durability classification is based on product knowledge under Perth, Western Australia climatic conditions.

This technical information represents average properties obtained from production lots. If specific test results are required, samples should be taken from current production lots.

Fire Resistance Levels (FRLs) are specified in the Building Code of Australian and the Masonry Code (AS3700). FRLs are quoted in minutes.

FRL information provided is derived from test, opinion or deemed to satisfy. Design of fire rated walls should be checked by a suitably qualified Engineer.

Weighted Sound Reduction Index (Rw) provided is derived from test, opinion or deemed to satisfy. Design of sound walls should be checked by a suitably qualified Acoustic Engineer.

Information is subject to change without notice. All colours are indicative only.

Please confirm all technical, colour and installation specifications are applicable to your application.

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