

## CONCRETE ESTIMATING GUIDE

Concrete Type	Mix Ratio	Materials Required	Volume of Concrete Required (Cubic Metres)					
			1.0	2.0	3.0	4.0	5.0	
Light Domestic Footings	1	Cement (20kg Bags)	10	20	30	40	50	60
	2.5	Damp Sand (Cubic Metres)	0.5	1.0	1.5	2.0	2.5	3.0
	5	Aggregate (Cubic Metres)	0.5	1.0	1.5	2.0	2.5	3.0
Reinforced Beams, Floor Slab, Residential Driveways & Paths	1	Cement (20kg Bags)	10	20	30	40	50	60
	2	Damp Sand (Cubic Metres)	0.5	1.0	1.5	2.0	2.5	3.0
	4	Aggregate (Cubic Metres)	0.5	1.0	1.5	2.0	2.5	3.0
High structural strength, thin reinforced walls & slender columns.	1	Cement (20kg Bags)	10	20	30	40	50	60
	1.5	Damp Sand (Cubic Metres)	0.5	1.0	1.5	2.0	2.5	3.0
	3	Aggregate (Cubic Metres)	0.5	1.0	1.5	2.0	2.5	3.0
Toppings for Concrete Paths	1	Cement (20kg Bags)	10	20	30	40	50	60
	1	Damp Sand (Cubic Metres)	0.5	1.0	1.5	2.0	2.5	3.0
	2	Aggregate (Cubic Metres)	0.5	1.0	1.5	2.0	2.5	3.0

All mix ratios are by volume. For accurate results use a bucket to measure ingredients. Use damp concreting sand only. Coarse aggregate should be 50/50 mix of 20m & 10mm stone. Keep water to a minimum consistent with the workability required.

To calculate concrete volume, multiply Length x Width x Thickness in metres. (e.g. 4m x 1m x 0.100m = 0.4m<sup>3</sup>)

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INTERNATIONAL  
QUALITY  
MANAGEMENT  
SYSTEM  
ISO 9001 NATA CERTIFIED

### COCKBURN CONCRETE PACK

Size	Cubic Metres Per Bag	Bags Per Cubic Metre
30kg bags	0.014 m <sup>3</sup> per bag 14 Litres per bag	70 bags per m <sup>3</sup>

### COCKBURN POSTCRETE®

Size	Cubic Metres Per Bag	Bags Per Cubic Metre
20 kg bags	0.009 m <sup>3</sup> per bag 9 Litres per bag	110 bags per m <sup>3</sup>

NOTE: Postcrete is not recommended for load bearing applications.

### COCKBURN CREME MORTAR PACK AND COCKBURN GREY MORTAR PACK

Size	Standard Bricks Per Bag (10mm joint)	Bags per 1000 standard bricks
30kg bags	38 bricks per bag	26 bags

NOTE: 1 standard brick measures 230mm L x 110mm W x 76mm H

Cockburn Mortar Packs produce an M3 class mortar when mixed and placed in accordance with the AS 3700 Masonry Code.

For further technical assistance please ring

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or visit our website at

[www.cockburncement.com.au](http://www.cockburncement.com.au)

#### DISCLAIMER:

Cockburn Cement® is not liable for any losses incurred by anyone using the "Ready Reckoner" as it is a guide only and usage can vary depending on brick type and other factors.

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# The FAMOUS Easy Estimator

## For The Home Handyman

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### Cockburn Cement®

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# A QUICK GUIDE FOR ESTIMATING MIX RATIOS AND QUANTITIES FOR COCKBURN CEMENT

All mix ratios are calculated by volume Key: C = Cement, L = Lime (Hy-Lime), S = Sand (brickies or plasterers)

## MORTAR

1000 standard bricks (230L x 110W x 76H) requires approximately 0.6m<sup>3</sup> damp bricklaying sand

APPLICATION	BRICK TYPE	MORTAR COLOUR	CEMENT	LIME	SAND	BAGS PER 1000 STANDARD CLAY BRICKS	
<b>M4 MORTAR CLASSIFICATION</b>							
<ul style="list-style-type: none"> <li>Retaining Walls</li> <li>Below Ground Walls</li> <li>External Above Ground Walls (within 1km of surf coastline - or within 100m of a non surf coast)</li> <li>Walls in Industrial Environments</li> </ul>	- Clay (Solid)	Grey	1	0.5	4.5	8 Cockburn Grey + 1.5 Hylime®	
				0.25	3	11 Cockburn Grey + 1 Hylime®	
	- Clay (Cored)		1	0	3	11 Masonry Cement	
	- Concrete	Creme	1	0.5	4.5	8 Cockburn Creme® + 1.5 Hylime®	
			0.25	3	11 Cockburn Creme® + 1 Hylime®		
			1	0	3	9 Brickies Coastal M4®	
<b>M3 MORTAR CLASSIFICATION</b>							
<ul style="list-style-type: none"> <li>External Above Ground Walls (from 1km to 10km of coastline or from 100m to 1km of non-surf coastline, in Residential Areas, excluding retaining walls)</li> <li>Walls in contact with Fresh Water</li> </ul>	- Clay (Solid)	Grey	1	0	3	10 Brickies Grey®	
				1	1	6	7 Cockburn Grey + 2.5 Hylime®
				1	0	4	10 Masonry Cement
	- Clay (Cored)		1	1	6	7 Cockburn Creme® + 2.5 Hylime®	
	- Concrete	Creme	1	0	3	10 Brickies Lite®	
	- Reconstituted Limestone			1	1	6	7 Cockburn Creme® + 2.5 Hylime® (with white brickies sand)
	Federation White		1	1	6		
<b>M2 MORTAR CLASSIFICATION</b>							
<ul style="list-style-type: none"> <li>External Above Ground Walls greater than 10km of coastline or greater than 1km from non-surf coast, in Residential Areas, excluding retaining walls).</li> <li>Internal Above Ground Walls*</li> </ul>	- Clay (Solid)	Grey	1	0	3	10 Brickies Grey®	
					2	9	5 Cockburn Grey + 3.5 Hylime®
	- Clay (Cored)	Creme	1	0	3	10 Brickies Lite®	
<ul style="list-style-type: none"> <li>Internal Above Ground Walls*</li> </ul>	- Natural Limestone	Limestone	1	2	9	5 Cockburn Creme® + 3.5 Hylime®	
	- Calcium Silicate	Grey	1	2	9	5 Cockburn Grey + 3.5 Hylime®	
				0	5	8.5 Cockburn Grey + Water Thickener	

\* Non load bearing, e.g. Single Story

Note: Cement quantities are based on 20kg bags, except Brickies Lite®/Grey which weigh 17.85kg.

Note: All mortars must be mixed and placed in accordance with the AS 3700 "Masonry structures"

## RENDER

1m<sup>3</sup> of render requires approximately 1.2m<sup>3</sup> damp plastering sand

INTERNAL RENDERS	Mix Ratio (Volume)			Cement	Hylime
<b>FLOATING</b> 27.8 kg Plasterers Dark 20 kg Masonry Cement 20 kg Cockburn Grey type GP	<b>C</b>	<b>L</b>	<b>S</b>	<b>Bags per 100m<sup>2</sup> @ 10mm</b>	
	1	0	5	9	0
	1	0	5	14	0
	1	1	7	10	4
<b>GLASS FACED RENDER (DADO)</b> Base Coat 27.8 kg Plasterers Dark Finish Coat 27.8 kg Plasterers Dark	<b>C</b>	<b>L</b>	<b>S</b>	<b>Bags per 100m<sup>2</sup> @ 10mm</b>	
	1	0	3	12	0
	1	0	1	19	0
<b>FLOOR SCREEDING</b> 20 kg Cockburn Grey type GP	<b>C</b>	<b>L</b>	<b>S</b>	<b>Bags per 100m<sup>2</sup> @ 10mm</b>	
	1	0	4	16	0
EXTERNAL RENDERS	Mix Ratio (Volume)			Cement	Hylime
<b>SAND FINISH BASE COAT (GREY)</b> 27.8 kg Plasterers Dark 20 kg Cockburn Grey type GP	<b>C</b>	<b>L</b>	<b>S</b>	<b>Bags per 100m<sup>2</sup> @ 10mm</b>	
	1	0	4	10	0
	1	1	5	12	5
<b>SAND FINISH TOP COAT (CREME)</b> 20 kg Cockburn Creme® type GP	<b>C</b>	<b>L</b>	<b>S</b>	<b>Bags per 100m<sup>2</sup> @ 5 mm</b>	
	1	1	6	6	2
<b>BAG WASH</b> 20 kg Cockburn Creme® type GP	<b>C</b>	<b>L</b>	<b>S</b>	<b>Bags per 100m<sup>2</sup> @ 5 mm</b>	
	1	1	5	6	2

All render mix ratios are for standard cored clay bricks.

All mix ratios are by volume e.g. gauging bucket.

Only use good quality plastering sand.