

BRICKIES GREY COASTAL CEMENT

PRODUCT DESCRIPTION

Cockburn Cement produces Brickies Grey Coastal Cement, a Masonry Binary Cement M4, conforming to Australian Standard AS 1316.

Brickies Grey Coastal Cement is manufactured to exacting standards at our Kwinana Works in Kwinana, Western Australia, for use in the construction and building industry and in domestic applications.

SUPPLY

Brickies Grey Coastal Cement is available in 20 kg bags from the Kwinana Works and Customer Service Centres in regional areas.

SPECIFICATION

Brickies Grey Coastal Cement exceeds the minimum specification for Masonry Binary Cement M4 given in AS 1316 and when mixed with the appropriate sand, is capable of producing mortar type M4 as defined in AS 3700.

Brickies Grey Coastal Cement is manufactured under a third party certified manufacturing and supply quality assurance system to ISO 9001 (BSI Certification No FS 604665).

Brickies Grey Coastal Cement is produced from Portland cement clinker, hydrated lime, and gypsum.

APPLICATIONS

Brickies Grey Coastal Cement is ideal for M4 external, internal, and below ground mortars. It is also suitable for some renders.

RENDER GUIDE

Use	Substrate	Mix ratio (volume)	
		Cement	Sand
Float/base coat	Clay brick	1	3.5
	Concrete block	1	3
Sand finish base coat	Clay brick	1	2.25
Sand finish top coat	S/F base coat	1	2.5

MORTAR GUIDE

Mix	Mix ratio (volume)	
M4	Walls up to 1 km from a surf coastline or up to 100 m from a non-surf coastline, e.g. estuary and coastal river zones.	
	Walls in contact with saline water or the ground in aggressive soils.	
	Internal walls subject to saline wetting and drying.	
Mix design – parts by volume		
Mix	Cement	Brickies sand
M4	1	3

* Any admixtures used should be in accordance with the manufacturers instructions.

** Brickies Grey Coastal Cement contains an air-entraining agent, additional air entrainment is not required.

*** Please refer to AS 3700 – Masonry Structures for detailed information.

TYPICAL PROPERTIES

Physical Properties

Test	Typical Values	AS 1316 Requirement
Setting Time (hr:min) AS 2350.4		
Initial	1:40	Min 0:75
Final	2:40	Max 12:00
Soundness (%) AS 2350.17		
	< 0.2	Max 1
Water Retention (%) AS 2350.17		
	80	Min 70
Air content (%) AS 2350.16		
	14.5	10-25
Compressive Strength ISO-CEN mortar bars (MPa) AS 2350.11		
7 Day	17 - 39	Min 10
28 Day	29 - 41	Min 15

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Chemical Properties

Test	Units	Typical Values
Sulphur Trioxide	%	2.7
Loss on Ignition	%	4.0 – 8.0
Chloride	%	0.01
Equivalent Alkalis	%	0.5
Hexavalent Chromium	mg/kg	Trace
Crystalline Silica	%	Trace
Components		
Portland Clinker	%	80 – 90
Gypsum	%	5 - 7
Hydrated Lime	%	10 – 20

CONTACT POINTS

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SAFETY INFORMATION

For safety information refer to the Safety Data Sheet for Brickies Grey Coastal Cement.

HANDLING AND STORAGE

Transportation may be in paper bags. Brickies Grey Coastal Cement can be stored in paper bags for up six months provided that protection against ingress of moisture is observed throughout the storage of the product.

DISCLAIMER

While the information in this Product Data Sheet has been prepared in good faith, Cockburn Cement Limited does not warrant that the information is accurate, complete or up to date.

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