



50/50 GREY CEMENT

PRODUCT DESCRIPTION

Swan Cement produces 50/50 Grey Cement, a Masonry Binary Cement M3, conforming to Australian Standard AS 1316.

50/50 Grey 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

50/50 Grey Cement is available in 17.85 kg bags from the Kwinana Works and Customer Service Centres in regional areas.

SPECIFICATION

50/50 Grey Cement exceeds the minimum specification for Masonry Binary Cement M3 given in AS 1316 and when mixed with the appropriate sand, is capable of producing mortar type M3 as defined in AS 3700.

50/50 Grey Cement is manufactured under a third party certified manufacturing and supply quality assurance system to ISO 9001 (BSI Certification No FS 604665).

50/50 Grey Cement is produced from Portland cement clinker, hydrated lime, and gypsum.

APPLICATIONS

50/50 Grey Cement is ideal for internal or external mortars, and under-render finish.

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)	
M3	Walls between 1 km and 10 km of a surf coastline or between 100 m and 1 km of a non-surf coastline, e.g. estuary and coastal river zones.	
	Walls in contact with fresh water or the ground in non-aggressive soils.	
	Internal walls subject to non-saline wetting and drying.	
Mix design – parts by volume		
Mix	Cement	Brickies sand
M3	1	3

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

** 50/50 Grey 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		
	19.5	10-25
Compressive Strength ISO-CEN mortar bars (MPa) AS 2350.11		
7 Day	18 - 38	Min 3.5
28 Day	22 - 46	Min 6

Chemical Properties

Test	Units	Typical Values
Sulphur Trioxide	%	2.7
Loss on Ignition	%	4.5 – 7.5
Chloride	%	0.01
Equivalent Alkalis	%	0.5
Hexavalent Chromium	mg/kg	Trace
Crystalline Silica	%	Trace
Components		
Portland Clinker	%	70 – 80
Gypsum	%	5 - 7
Hydrated Lime	%	20 – 30



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SAFETY INFORMATION

For safety information refer to the Safety Data Sheet for 50/50 Grey Cement.

HANDLING AND STORAGE

Manual handling of bag products without due care and attention may result in personal injury. Unless you have been trained in manual handling methods it is suggested that you share the load with another person.

50/50 Grey Cement can be kept for up to six months provided it is stored in a place, off the ground, protected from ingress of moisture. Ingress of moisture can occur

due to rain, liquid spillage (on or around the product) or a high humidity climate. Such exposure will degrade the performance of the product.

CONTACT POINTS

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