

**PRODUCT DESCRIPTION**

Swan Cement produces Floatcem 12 Cement specifically designed for producing high quality internal base coat renders over clay bricks. Floatcem 12 Cement is a Masonry Binary Cement M3, conforming to Australian Standard AS 1316.

Floatcem 12 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**

Floatcem 12 Cement is available 12 kg bags from the Kwinana Works and Customer Service Centres in regional areas.

**SPECIFICATION**

Combine Floatcem 12 Cement with a good plastering sand and add enough water to produce a consistent render.

Floatcem 12 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.

Floatcem 12 Cement is manufactured under a third-party certified manufacturing and supply quality assurance system to ISO 9001 (BSI Certification No FS 604665).

Floatcem 12 Cement is produced from Portland cement clinker, hydrated lime, and gypsum.

**APPLICATIONS**

When applied in accordance with good plastering practices, renders containing Floatcem 12 Cement are easy to rule off and have the suction correctly balanced for bonding with the substrate while providing a uniform surface for the setting coat.

Floatcem 12 Cement is ideal for M3 external, internal, and below ground mortars.

Floatcem 12 Cement can also be used for glass faced cement renders (cement dado) and internal or external sand-finished work.

**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.

Floatcem 12 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.

**RENDER GUIDE**

Use	Mix ratio (volume)	
	Cement	Sand
<b>INTERNAL WALLS</b>		
Floating	1	5
Sand finish	1	5
Cement Dado base coat	1	3
Cement Dado top coat	1	1
<b>EXTERNAL WALL</b>		
Sand finish/bagwash	1	4

**MORTAR GUIDE**

Mix	Mix ratio (volume)	
M3	<p>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.</p> <p>Walls in contact with fresh water or the ground in non-aggressive soils.</p> <p>Internal walls subject to non-saline wetting and drying.</p>	
Mix design – parts by volume		
Mix	Cement	Brickies sand
M3	1	3

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

\*\* Floatcem 12 Cement contains an air-entraining agent, additional air entrainment is not required.

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

**SAFETY INFORMATION**

For safety information refer to the Safety Data Sheet for Floatcem 12 Cement.

**TYPICAL PROPERTIES****Physical Properties**

Test	Typical Values
Setting Time (hr: min) AS 2350.4	
Initial	1:40
Final	2:45
Water Retention (%) AS 2350.17	
	80
Air content (%) AS 2350.16	
	19.5
Compressive Strength ISO-CEN mortar bars (MPa) AS 2350.11	
7 Day	15 - 39
28 Day	20 - 46

**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	%	70 – 80
Gypsum	%	5 - 7
Hydrated Lime	%	20 – 30

**CONTACT POINTS**

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