

**BRIGHTONLITE GENERAL PURPOSE CEMENT****PRODUCT DESCRIPTION**

Swan Cement produces Brightonlite General Purpose Cement conforming to AS 3972.

Brightonlite General Purpose Cement is an Off-White cement. This product is manufactured to exacting standards at our Kwinana Works in Kwinana, Western Australia, for use in the precast, construction and building industry as well as in domestic applications.

SUPPLY

Brightonlite General Purpose is available in 20 kg multi-walled paper bags from the Kwinana Works and the Customer Service Centres in regional areas. Paper bags are palletised and stretch wrapped.

SPECIFICATION

Brightonlite General Purpose Cement exceeds the minimum Type GP and HE specifications given in AS 3972 and is manufactured under a third party certified manufacturing and supply quality assurance system to ISO 9001 (BSI Certification No FS 604665).

Brightonlite General Purpose Cement is produced from Portland cement clinker and gypsum, and may contain up to 7.5% mineral additions.

APPLICATIONS

Brightonlite General Purpose Cement is versatile in its use and has numerous applications. For example, in-situ concrete, precast concrete, concrete masonry, paving blocks, concrete tiles, garden furniture, glass reinforced cement (GRC), mortar and wherever a light coloured finish is required. Off-white cements are also often used for architectural purposes.

As Brightonlite General Purpose Cement also exceeds the requirements of Type HE cement, it can be used in concrete applications where rapid early strength development is desired, for example, when formwork is to be removed early or where sufficient strength for further construction is required quickly.

Brightonlite General Purpose Cement has a high C₃A content and it should not be used in any situation where sulfate attack is likely.

Admixtures for concrete:

Brightonlite General Purpose Cement is compatible with concrete admixtures complying with AS 1478.

TYPICAL PROPERTIES**Physical Properties**

Test	Typical Values	AS 3972 Requirement
Fineness Index (m ² /kg) AS 2350.8		
	390 - 470	-
Setting Time (hr:min) AS 2350.4		
Initial	1:50	Min 0:45
Final	2:55	Max 6:00
Soundness (mm) AS 2350.5		
	< 3	max 5
Compressive Strength ISO-CEN mortar bars (MPa) AS 2350.11		
3 Day	33 - 45	25
7 Day	42 - 55	40
28 Day	51 - 63	-

Chemical Properties

Test	Units	Max AS 3972	Typical Values
Sulphur Trioxide	%	3.5	3.2
Loss on Ignition	%	-	3.8 - 5.4
Chloride	%	0.1	0.01
Equivalent Alkalis	%	-	0.5
Hexavalent Chromium	mg/kg	-	Trace
Crystalline Silica	%	-	Trace
Components			
Portland Clinker	%	-	85 - 93
Gypsum	%	-	5 - 7
Mineral Addition	%	7.5	up to 7.5

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.

Brightonlite General Purpose 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.

SAFETY INFORMATION

For safety information refer to the Safety Data Sheet for Brightonlite General Purpose Cement.



BRIGHTONLITE GENERAL PURPOSE CEMENT

CONTACT POINTS

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