

BRIGHTONLITE[®] CEMENT

PRODUCT DESCRIPTION

Adelaide Brighton Cement produces Brightonlite[®] Cement, an off-white Type HE conforming to Australian Standard AS 3972.

Brightonlite[®] Cement is manufactured to exacting standards at our Angaston works, South Australia for use in the construction and building industry, and domestic applications.

SUPPLY

Brightonlite[®] Cement is available in bulk, bulk bags, and 20 kg multi-walled paper bags from the Angaston works and customer service centres in regional areas. Paper bags are palletised and stretch wrapped.

SPECIFICATION

Brightonlite[®] Cement exceeds the minimum specification for Type HE cement given in AS 3972.

Brightonlite[®] Cement is manufactured under a third party certified manufacturing and supply quality assurance system to ISO 9001 (BSI Certification No FS 604665).

Brightonlite[®] Cement is produced from Portland cement clinker, gypsum, and may contain up to 7.5% mineral addition.

APPLICATIONS

Brightonlite[®] Cement is versatile and can be used in a variety of applications requiring a light coloured finish. For example:

- In-situ and precast concrete
- Concrete masonry
- Paving blocks and slabs
- Concrete tiles
- Garden furniture
- Glass reinforced concrete (GRC)
- Render and mortar

Off-white cements are also ideally suited for architectural elements.

Brightonlite[®] has a high C₃A content and should not be used in any situation where sulfate attack is likely.

Admixtures for concrete:

Brightonlite[®] Cement is compatible with concrete admixtures complying with AS 1478.

TYPICAL PROPERTIES

Typical physical properties

Test	Brightonlite [®] Cement	AS 3972 requirement
Fineness index (m²/kg) AS 2350.8		
	415 - 465	
Setting time (hr:min) AS 2350.4		
Initial	1:30	Min 0:45
Final	2:25	Max 6:00
Soundness (mm) AS 2350.5		
	1	Max 5
Compressive strength ISO-CEN mortar bars (MPa) AS 2350.11		
3 day	37 - 47	Min 25
7 day	45 - 55	Min 40
28 day	55 - 67	-

Typical chemical properties

Test	Units	Max AS 3972	Typical values
Sulphur trioxide	%	3.5	2.6
Loss on ignition	%	-	3.7
Chloride	%	0.10	0.002
Equivalent alkalis	%	-	0.36
Hexavalent chromium	mg/kg	-	Trace
Crystalline silica	%	-	Trace
Components:			
Portland clinker	%	-	85 - 90
Gypsum	%	-	3 - 8
Mineral addition	%	7.5	up to 7.5

HANDLING AND STORAGE

Transportation may be in bulk road or rail tankers, or in paper bags.

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[®] Cement can be stored in concrete or steel silos, and bags for up to six months provided protection against ingress of moisture is observed throughout the storage of the product. To achieve optimum results, ideally use within 3 months of purchase.

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.

Do not use if the product has become hard or lumpy.



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SAFETY INFORMATION

For safety information refer to the safety datasheet for Brightonlite[®] Cement.

CONTACT POINTS

For further information contact the Sales and Marketing department at:

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- Assess and control any risks associated with the information or product; and
- Obtain professional advice in relation to the use of the information or product.

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