



ABN 96 007 870 199

Adelaide Brighton Cement Ltd
Angaston Special Products

Cement Test Certificate

Final

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Product Certified: Type HE Brightonlite Cement
Test Certificate Number: 230077
Customer: Adelaide Brighton Cement, Angaston Plant, SA
Sample Code: B0968e4
Sample Date: 8/12/2022

Nominal Blend	Requirements	Result
Clinker		>85 %
Ground Granulated Iron Blast-Furnace Slag		Nil
Mineral Addition	Max 7.5 %	<7.5 %
Calcium Sulphate		>4 %
Minor Additional Constituents	Max 5 %	Nil

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS/NZS2350.11	Min 25.0 MPa	41.4 MPa
7 Day Strength	AS/NZS2350.11	Min 40.0 MPa	48.5 MPa
28 Day Strength	AS/NZS2350.11	N/R	60.8 MPa
Initial Set Time	AS/NZS2350.4	Min 45 min	120 min
Final Set Time	AS/NZS2350.4	Max 360 min	180 min
Soundness	AS/NZS2350.5	Max 5 mm	2 mm
Sulfuric Anhydride content (SO ₃)	AS2350.2	Max 3.5 %	2.6 %
Chloride Ion	AS3583.13	Max 0.10 %	0.003 %

Other Properties

SiO ₂	AS2350.2	N/R	20.9 %
Al ₂ O ₃	AS2350.2	N/R	4.8 %
Fe ₂ O ₃	AS2350.2	N/R	0.7 %
CaO	AS2350.2	N/R	65.2 %
MgO	AS2350.2	N/R	0.9 %
Na ₂ O Equivalent	AS2350.2	N/R	0.4 %
Loss on Ignition	AS2350.2	N/R	4.6 %
Fineness Index	AS/NZS2350.8	N/R	445 m ² /kg
Normal Consistency	AS/NZS2350.3	N/R	29.3 %
Brightness (L)*	BH-TM-0552	N/R	73

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REMARKS

These test result apply specifically to the sample as received at the Adelaide Brighton Cement Birkenhead Laboratory (Accreditation number: 252), 62 Elder Rd Birkenhead SA 5015.

This despatch grab sample complies to the requirements of AS3972:2010, Type HE Cement.

* NATA Accreditation No 252 does not cover the performance of this service.

N/R = No Requirement



Accredited for compliance with ISO/IEC
17025 - Testing.

WORLD RECOGNISED
ACCREDITATION

Approved Signatory

M. Wythe

Issue Date: 2/03/2023