

Cement Test Certificate

Final

Product Certified: Type HE High Early Strength Cement
Test Certificate Number: 210431
Produced At: Adelaide Brighton Cement, Birkenhead Plant, SA
Sample Code: B08828e
Sample Date: 23/10/2021

Nominal Blend	Requirements	Result
Clinker		>85 %
Ground Granulated Iron Blast-Furnace Slag		Nil
Mineral Addition	Max 7.5 %	<7.5 %
Calcium Sulphate		>5 %
Minor Additional Constituents	Max 5 %	<1 %

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS2350.11	Min 25.0 MPa	42.0 MPa
7 Day Strength	AS2350.11	Min 40.0 MPa	56.7 MPa
28 Day Strength	AS2350.11	N/R	66.7 MPa
Initial Set Time	AS2350.4	Min 45 min	105 min
Final Set Time	AS2350.4	Max 360 min	150 min
Soundness	AS2350.5	Max 5 mm	1 mm
Sulfuric Anhydride content (SO ₃)	AS2350.2	Max 3.5 %	2.6 %
Chloride Ion	BH-TM-0507	Max 0.10 %	0.012 %

Other Properties

SiO ₂	AS2350.2	N/R	20.2 %
Al ₂ O ₃	AS2350.2	N/R	4.5 %
Fe ₂ O ₃	AS2350.2	N/R	3.2 %
CaO	AS2350.2	N/R	63.0 %
MgO	AS2350.2	N/R	1.6 %
Na ₂ O Equivalent	AS2350.2	N/R	0.5 %
Loss on Ignition	AS2350.2	N/R	3.5 %
Fineness Index	AS2350.8	N/R	515 m ² /kg
Normal Consistency	AS2350.3	N/R	31.7 %

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REMARKS

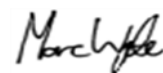
These test result apply specifically to the sample as received at the Adelaide Brighton Cement Birkenhead Laboratory (Accreditation number: 252), 62 Elder Rd Birkenhead SA 5015.

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

N/R = No Requirement



Accredited for compliance with ISO/IEC 17025 - Testing. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.



Approved Signatory

M. Wythe

Issue Date: 25/11/2021