

# Cement Test Certificate

Final

**Product Certified:** Type GB General Blended Cement  
**Test Certificate Number:** 230118  
**Customer:** Adelaide Brighton Cement, Birkenhead Plant, SA  
**Sample Code:** B098080  
**Sample Date:** 06/02/2023

Nominal Blend	Requirements	Result
Clinker		>55 %
Ground Granulated Iron Blast-Furnace Slag	Min 7.5 %	<35 %
Mineral Addition		<7.5 %
Calcium Sulphate		>5 %
Minor Additional Constituents	Max 5 %	<1 %

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS/NZS2350.11	N/R	33.7 MPa
7 Day Strength	AS/NZS2350.11	Min 20.0 MPa	47.1 MPa
28 Day Strength	AS/NZS2350.11	Min 35.0 MPa	66.4 MPa
Initial Set Time	AS/NZS2350.4	Min 45 min	135 min
Final Set Time	AS/NZS2350.4	Max 600 min	195 min
Soundness	AS/NZS2350.5	Max 5 mm	1 mm
Sulfuric Anhydride content (SO <sub>3</sub> )	AS3583.8	Max 3.5 %	2.6 %
Chloride Ion	BH-TM-0507	Max 0.10 %	0.012 %

### Other Properties

SiO <sub>2</sub>	AS2350.2	N/R	23.6 %
Al <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	7.1 %
Fe <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	2.6 %
CaO	AS2350.2	N/R	57.2 %
MgO	AS2350.2	N/R	3.1 %
Na <sub>2</sub> O Equivalent	AS2350.2	N/R	0.5 %
Loss on Ignition	AS2350.2	N/R	2.8 %
Fineness Index	AS/NZS2350.8	N/R	420 m <sup>2</sup> /kg
Normal Consistency	AS/NZS2350.3	N/R	29.6 %

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### REMARKS

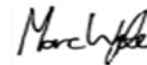
These test result apply specifically to the sample as received at the Adelaide Brighton Cement Birkenhead Laboratory (Accreditation number: 252), 62 Elder Rd Birkenhead SA 5015.

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

N/R = No Requirement



Accredited for compliance with ISO/IEC  
17025 - Testing.



Approved Signatory

M. Wythe

**Issue Date:** 04/04/2023