

# Cement Test Certificate

Final

**Product Certified:** Type HE High Early Strength Cement (White)  
**Test Certificate Number:** 240496  
**Customer:** Cockburn Cement, Kwinana Plant, WA  
**Sample Code:** B0ac459  
**Sample Date:** 4/07/2024

Nominal Blend	Requirements	Result
Clinker		>85 %
Ground Granulated Iron Blast-Furnace Slag		Nil
Mineral Addition	Max 7.5 %	<7.5 %
Calcium Sulphate		4-8 %
Minor Additional Constituents	Max 5 %	<5%

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS/NZS2350.11	Min 25.0 MPa	38.4 MPa
7 Day Strength	AS/NZS2350.11	Min 40.0 MPa	47.0 MPa
28 Day Strength	AS/NZS2350.11	N/R	57.7 MPa
Initial Set Time	AS/NZS2350.4	Min 45 min	90 min
Final Set Time	AS/NZS2350.4	Max 360 min	150 min
Soundness	AS/NZS2350.5	Max 5 mm	1 mm
Sulfuric Anhydride content (SO <sub>3</sub> )	AS2350.2	Max 3.5 %	3.2 %
Chloride Ion	BH-TM-0507	Max 0.10 %	0.016 %

### Other Properties

SiO <sub>2</sub>	AS2350.2	N/R	22.1 %
Al <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	3.7 %
Fe <sub>2</sub> O <sub>3</sub>	AS2350.2	N/R	0.2 %
CaO	AS2350.2	N/R	64.7 %
MgO	AS2350.2	N/R	1.3 %
Na <sub>2</sub> O Equivalent	AS2350.2	N/R	0.5 %
Loss on Ignition	AS2350.2	N/R	4.0 %
Fineness Index	AS/NZS2350.8	N/R	405 m <sup>2</sup> /kg
Normal Consistency	AS/NZS2350.3	N/R	28.2 %
Brightness (L)*	MU-TM-2614	N/R	92

*This document shall not be reproduced except in full.*

### REMARKS

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

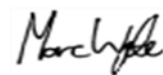
This despatch grab sample complies to the requirements of AS3972:2010, Type HE Cement.

\*NATA accreditation 252 does not cover the performance of this service.

N/R = No Requirement



Accredited for compliance with ISO/IEC  
17025 - Testing.



Approved Signatory

M. Wythe

Issue Date: 5/10/2024