

Product Certified: Type GP General Purpose Cement
Test Certificate Number: 230111
Customer: Northern Cement, Darwin Plant, NT
Sample Code: B098362
Sample Date: 05/01/2023

Nominal Blend	Requirements	Result
Clinker		>86.5 %
Ground Granulated Iron Blast-Furnace Slag		Nil
Mineral Addition	Max 7.5 %	<7.5 %
Calcium Sulphate		<5 %
Minor Additional Constituents	Max 5 %	Nil

Reportable Property	Test Method	Requirements of AS3972	Result
3 Day Strength	AS/NZS2350.11	N/R	37.3 MPa
7 Day Strength	AS/NZS2350.11	Min 35.0 MPa	46.4 MPa
28 Day Strength	AS/NZS2350.11	Min 45.0 MPa	60.1 MPa
Initial Set Time	AS/NZS2350.4	Min 45 min	135 min
Final Set Time	AS/NZS2350.4	Max 360 min	165 min
Soundness	AS/NZS2350.5	Max 5 mm	1 mm
Sulfuric Anhydride content (SO ₃)	AS2350.2	Max 3.5 %	3.2 %
Chloride Ion	BH-TM-0507	Max 0.10 %	0.018 %

Other Properties

SiO ₂	AS2350.2	N/R	20.0 %
Al ₂ O ₃	AS2350.2	N/R	5.5 %
Fe ₂ O ₃	AS2350.2	N/R	2.8 %
CaO	AS2350.2	N/R	63.4 %
MgO	AS2350.2	N/R	1.5 %
Na ₂ O Equivalent	AS2350.2	N/R	0.5 %
Loss on Ignition	AS2350.2	N/R	2.6 %
Fineness Index	AS/NZS2350.8	N/R	360 m ² /kg
Normal Consistency	AS/NZS2350.3	N/R	28.8 %

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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 GP Cement.

N/R = No Requirement



Accredited for compliance with ISO/IEC
17025 - Testing.

M. Wythe

Approved Signatory

M. Wythe

Issue Date: 31/03/2023