



**COCKBURN
CEMENT**

an **ADBRI** company
ABN 50 006 673 470

Test Certificate

Final

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Product Certified: Ground Granulated Blast Furnace Slag
Test Certificate Number: 240090
Customer: Cockburn Cement, Port Hedland Plant, WA
Sample Code: B0a349d
Sample Date: 28/09/2023

Nominal Blend	Requirements	Result
Ground Granulated Iron Blast-Furnace Slag		>95 %
Calcium Sulphate		<5 %
Other Additions		<0.5 %

Reportable Property	Test Method	Requirements of AS3582.2	Result
Alumina (Al ₂ O ₃)	AS2350.2	Max 18.0 %	18.8 %
Total Iron (FeO)	AS2350.2	N/R	0.5 %
Magnesia (MgO)	AS2350.2	Max 15.0 %	12.9 %
Total Alkali (Na ₂ O Equivalent)	AS2350.2	N/R	0.6 %
Manganese (MnO)	ASTM C114	N/R	0.4 %
Sulfate (as SO ₃) content	AS3583.8	N/R	0.2 %
Sulfide Sulfur (S)	AS3583.7	Max 1.5 %	0.8 %
Chloride Ion Content	AS3583.13	Max 0.1 %	0.011 %
Loss on Ignition	AS3583.3	N/R	-0.2 %
Insoluble Residue	AS3583.14	N/R	1.0 %
45 µm Residue	AS3583.1	N/R	98 % passing
Relative Density	AS3583.5	N/R	2.89
Relative Water Requirement	AS3583.6	N/R	98 %
Strength Index	AS3583.6	N/R	112 %

Other Properties

SiO ₂	AS2350.2	N/R	30.5 %
CaO	AS2350.2	N/R	33.6 %
Fineness Index	AS/NZS2350.8	N/R	425 m ² /kg

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REMARKS

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

For Relative Water and Strength Index testing the reference control used is Birkenhead GP code B0a37ed.

N/R = No Requirement



Accredited for compliance with ISO/IEC
17025 - Testing.

M. Wythe

Approved Signatory

M. Wythe

Issue Date: 21/02/2024