

CUSTOMER SERVICE AND ORDERS

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TECHNICAL SUPPORT

(08) 9411-1111

GENERAL ENQUIRY

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MSDS

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MANUFACTURE ADDRESS

810 Berrimah Road

Berrima

NT 0828

ABN

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Safety Precautions



Low Heat Cement (ex Darwin)

Nominal Composition

Component	%	AS3972
Type GP Cement	<38	<92.5
Blast furnace slag	>62	>7.5

Physical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS3972 limit	Test Method	
Setting Time	Initial	minutes	140	180	210	>45	AS2350.4
	Final	minutes	210	260	300	<600	AS2350.4
Soundness	mm	0	1	3	<5	AS2350.5	
Compressive Strength		MPa	11	14	17		AS2350.11
	3 day	MPa	23	26	29	>10	AS2350.11
	7 day	MPa	47	51	55	>30	AS2350.11
	28 day	MPa					
Fineness	m ² /kg	330	360	390		AS2350.8	
Peak temperature	°C	17	20	23	<23	AS2350.7	
Sulphate resistance 16 week	µstrain	100	220	350	<750	AS2350.14	

Chemical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS3972 limit	Test Method
CaO	%	49.0	50.5	52.0		AS2350.2
SiO ₂	%	27.5	28.5	29.5		AS2350.2
Al ₂ O ₃	%	9.5	10.0	10.5		AS2350.2
Fe ₂ O ₃	%	1.3	1.5	1.8		AS2350.2
MgO	%	3.4	3.7	4.0		AS2350.2
SO ₃	%	2.1	2.6	3.3	<3.5	AS2350.2
Na ₂ O equivalent	%	0.3	0.4	0.6		AS2350.2
Chloride	%	0.00	0.01	0.02	<0.10	AS2350.2
Loss on ignition	%	0.0	1.0	1.5		AS2350.2

¹ – Results for minimum and maximum values indicate 95% confidence interval limits based on 12 months data preceding the issue date. Confidence limits adjusted for non-normal distributions. Individual sample results may fall outside the values stated above.