

Low Heat Cement (ex Kwinana)

CUSTOMER SERVICE AND ORDERS

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TECHNICAL SUPPORT

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GENERAL ENQUIRY

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MSDS

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MANUFACTURE ADDRESS

Leath Road

Kwinana

WA 6167

ABN

50 008 673 470

Nominal Composition

Component	%	AS3972
Type GP Cement	<37	<92.5
Blast furnace slag	>63	>7.5

Physical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS3972 limit	Test Method
Setting Time	Initial	140	190	240	>45	AS2350.4
	Final	200	260	300	<600	AS2350.4
Soundness	mm	0	1	3	<5	AS2350.5
Compressive Strength	3 day	15	17.5	21		AS2350.11
	7 day	29	32	35	>10	AS2350.11
	28 day	50	55	59	>30	AS2350.11
Fineness	m ² /kg	370	400	420		AS2350.8
Sulphate Resistance	uStrain	100	250	500	<750	AS2350.14
Peak Temperature	°C	19	21	23	<23	AS2350.7

Chemical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS3972 limit	Test Method
CaO	%	48.0	49.2	50.6		AS2350.2
SiO ₂	%	28.0	29.0	30.0		AS2350.2
Al ₂ O ₃	%	10.1	10.7	11.2		AS2350.2
Fe ₂ O ₃	%	1.0	1.4	1.8		AS2350.2
MgO	%	3.5	4.3	4.7		AS2350.2
SO ₃	%	2.1	2.6	3.0	<3.5	AS2350.2
Na ₂ O equivalent	%	0.3	0.4	0.6		AS2350.2
Chloride	%	0.00	0.01	0.025	<0.10	AS2350.2
Loss on ignition	%	0.3	1.0	1.4		AS2350.2

¹ – Results for minimum and maximum values indicate 95% confidence interval limits. Individual sample results may fall outside the values stated above.

Safety Precautions

