

### CUSTOMER SERVICE AND ORDERS

(08) 9411-1166

### TECHNICAL SUPPORT

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### GENERAL ENQUIRY

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### MSDS

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[www.cockburncement.com.au](http://www.cockburncement.com.au)
[www.swancement.com.au](http://www.swancement.com.au)

### MANUFACTURE ADDRESS

Leath Road

Kwinana

WA 6167

### ABN

50 008 673 470

### Safety Precautions



## Low Heat Cement

### Nominal Composition

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

### Physical Properties

Parameter	Units	Minimum <sup>1</sup>	Typical	Maximum <sup>1</sup>	AS3972 limit	Test Method
Setting Time	Initial	135	165	195	>45	AS2350.4
	Final	210	240	300	<600	AS2350.4
Soundness	mm	0	1	3	<5	AS2350.5
Compressive Strength	MPa	16	18	21		AS2350.11
	3 day	32	35	37	>10	AS2350.11
	7 day	53	57	60	>30	AS2350.11
28 day						
Fineness	m <sup>2</sup> /kg	380	420	460		AS2350.8
Peak Temperature	°C	21	22.6	23	<23	AS2350.7

### Chemical Properties

Parameter	Units	Minimum <sup>1</sup>	Typical	Maximum <sup>1</sup>	AS3972 limit	Test Method
CaO	%	47.0	49.0	52.0		AS2350.2
SiO <sub>2</sub>	%	27.5	29.2	30.3		AS2350.2
Al <sub>2</sub> O <sub>3</sub>	%	9.7	10.7	11.8		AS2350.2
Fe <sub>2</sub> O <sub>3</sub>	%	1.2	1.6	2.2		AS2350.2
MgO	%	3.8	4.6	5.3		AS2350.2
SO <sub>3</sub>	%	1.3	2.0	2.8	<3.5	AS2350.2
Na <sub>2</sub> O equivalent	%	0.4	0.53	0.6		AS2350.2
Chloride	%	0.005	0.011	0.023	<0.10	AS2350.2
Loss on ignition	%	0.0	0.4	1.0		AS2350.2

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