



Product Data and Composition
 AS3972 Type LH Cement – ATIC # 194
Product Name: LH - Low Heat Cement.

Product Composition:

<i>Chemical Component</i>	<i>%</i>	<i>AS3972 Standard</i>
Type GP Cement	<52	<92.5
Ground Granulated Blast Furnace Slag	>48	>7.5

Physical Properties:

Parameter	Units	Minimum	Typical	Maximum	AS3972 Limit	Test Method	
Setting Time	Initial	90	105	150	>45	AS2350.4	
	Final	240	280	375	<600	AS2350.4	
Soundness	mm	1	1	1	<5	AS2350.5	
Compressive Strength	3 Day	16	18.5	20	>10	AS2350.11	
	7 day	28	32	34.5		AS2350.11	
	28 day	53	57	61		<30	AS2350.11
	56 Day	67	69	72		AS2350.11	
Fineness	m ² / kg	380	417	435		AS2350.8	
Sulphate Resistance	µstrain	200	415	600	<750	AS2350.14	
Peak Temperature	°C	19	19.5	20.5	<23	AS2350.7	

Chemical Properties:

Parameter	Units	Minimum	Typical	Maximum	AS3972 Limit	Test Method
SiO ₂	%	26.5	28.5	29		AS2350.2
Al ₂ O ₃	%	10.8	11	11.4		AS2350.2
Fe ₂ O ₃	%	1.6	1.75	1.8		AS2350.2
CaO	%	48.5	49.1	50.1		AS2350.2
MgO	%	5.42	5.8	6.1		AS2350.2
Na ₂ O	%	.22	.23	.26		AS2350.2
SO ₃	%	2.47	2.58	2.95	<3.5	AS2350.2
LOI	%	.04	.25	.4		AS2350.2
Chloride	%	.08	.018	.029	<.10	AS2350.2

*Calculated Minimum and Maximum values are indicative of historical product data. Ongoing individual sample results may fall outside of the indicative results stated above.