



TYPE **LH**

**LOW HEAT CEMENT**

## Typical Analysis

	Typical BGC Value	Typical BGC Range	AS 3972	Units
<b>Mortar Compressive Strengths</b>				
3 day	17	15 – 23	-	(MPa)
7 day	34	32 – 36	<i>Min. 10</i>	(MPa)
28 day	59	57 – 60	<i>Min. 30</i>	(MPa)
<b>Vicat Setting Time</b>				
Normal Consistency	33.8	33.6 – 34.0	-	(%)
Initial Set	150	135 – 165	<i>Min. 45</i>	(minutes)
Final Set	225	210 – 240	<i>Max. 360</i>	(minutes)
<b>Residue</b>				
+45µm	3.4	2.5 – 5.0	-	(%)
<b>Fineness Index</b>				
	450	435 – 480	-	(m <sup>2</sup> /kg)
<b>Soundness</b>				
	1	0 – 2	<i>Max. 5</i>	(mm)
<b>Chemical Analysis</b>				
SO <sub>3</sub>	1.8	1.5 – 2.4	<i>Max. 3.5</i>	(%)
SiO <sub>2</sub>	28.9	27.2 – 29.8	-	(%)
Al <sub>2</sub> O <sub>3</sub>	10.6	10.3 – 11.1	-	(%)
Fe <sub>2</sub> O <sub>3</sub>	1.4	1.3 – 1.6	-	(%)
MgO	4.2	3.7 – 4.4	-	(%)
CaO	48.6	47.7 – 50.1	-	(%)
Loss on Ignition	1.1	0.8 – 1.7	-	(%)
Na <sub>2</sub> O (equivalent)	0.5	0.4 – 0.6	-	(%)
Chloride ion	0.01	0.00 – 0.01	<i>Max 0.10</i>	(%)
Peak Temperature Rise	20.2	16.0 – 21.0	<i>Max 23</i>	(°C)

Note: Typical range is at 95% confidence level, individual results may be outside of this range.