



TYPE: **BULK LH**

LOW HEAT CEMENT

Typical Analysis

	Typical BGC Range	AS 3972	Units
Mortar Compressive Strengths			
3 day	11 – 17	-	(MPa)
7 day	20 – 29	<i>Min. 10</i>	(MPa)
28 day	43 – 57	<i>Min. 30</i>	(MPa)
Vicat Setting Time			
Normal Consistency	31.5 – 32.3	-	(%)
Initial Set	135 – 150	<i>Min. 45</i>	(minutes)
Final Set	210 – 255	<i>Max. 360</i>	(minutes)
Residue			
+45µm	2.5 – 5.0	-	(%)
Fineness Index			
	383 – 422	-	(m ² /kg)
Soundness			
	0 – 1	<i>Max. 5</i>	(mm)
Chemical Analysis			
SO ₃	0.3 – 1.3	<i>Max. 3.5</i>	(%)
SiO ₂	28.2 – 29.3	-	(%)
Al ₂ O ₃	10.6 – 11.4	-	(%)
Fe ₂ O ₃	1.7 – 2.0	-	(%)
MgO	4.1 – 5.0	-	(%)
CaO	49.0 – 51.1	-	(%)
Loss on Ignition	0.3 – 1.0	-	(%)
Na ₂ O (equivalent)	0.3 – 0.5	-	(%)
Chloride ion	0.00 – 0.02	<i>Max 0.10</i>	(%)
Peak Temperature Rise	15.9 – 20.7	<i>Max 23</i>	(°C)

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

Issue Date: 31 August 2022