



TYPE: **Low Heat**

LOW HEAT CEMENT

Typical Analysis

	Typical BGC Range	AS 3972	Units
Mortar Compressive Strengths			
3 day	15 – 21	-	(MPa)
7 day	29 – 36	<i>Min. 10</i>	(MPa)
28 day	48 – 59	<i>Min. 30</i>	(MPa)
Vicat Setting Time			
Normal Consistency	31.5 – 32.3	-	(%)
Initial Set	165 – 195	<i>Min. 45</i>	(minutes)
Final Set	240 – 285	<i>Max. 600</i>	(minutes)
Residue			
+45µm	2.2 – 4.5	-	(%)
Fineness Index			
	375 – 405	-	(m ² /kg)
Soundness			
	0 – 1	<i>Max. 5</i>	(mm)
Chemical Analysis			
SO ₃	1.4 – 2.9	<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	0.7 – 1.6	-	(%)
Na ₂ O (equivalent)	0.3 – 0.5	-	(%)
Chloride ion	0.7 – 1.6	<i>Max 0.10</i>	(%)
Peak Temperature Rise	18 – 22	<i>Max 23</i>	(°C)

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

Issue Date: 30 March 2023