



TYPE **UC**

ULTRACREME CEMENT

Typical Analysis

	Typical BGC Value	Typical BGC Range	AS 3972	Units
Mortar Compressive Strengths				
1 day	24	22 - 26		
3 day	42	38 - 44	-	(MPa)
7 day	53	51 - 55	Min. 35	(MPa)
28 day	63	60 - 65	Min. 45	(MPa)
Vicat Setting Time				
Normal Consistency	28.6	28.0 - 29.0	-	(%)
Initial Set	90	90 - 105	Min. 45	(minutes)
Final Set	150	135 - 165	Max. 360	(minutes)
Residue				
+45µm	3.5	3.0 - 4.0	-	(%)
Fineness Index				
	430	410 - 450	-	(m ² /kg)
Soundness				
	1	0 - 2	Max. 5	(mm)
Chemical Analysis				
SO ₃	3.0	3.0 - 3.1	Max. 3.5	(%)
SiO ₂	22.7	22.5 - 22.8	-	(%)
Al ₂ O ₃	3.5	3.2 - 3.6	-	(%)
Fe ₂ O ₃	0.2	0.2 - 0.3	-	(%)
MgO	0.9	0.2 - 1.1	-	(%)
CaO	65.4	65.2 - 65.9	-	(%)
Loss on Ignition	2.3	2.1 - 2.5	-	(%)
Na ₂ O (equivalent)	0.4	0.3 - 0.4	-	(%)
Chloride ion	0.01	0.00 - 0.01	Max 0.10	(%)
Whiteness	90.6	89.9 - 91.1	-	(WN/Lab)

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

Issue Date: 13 August 2019