



TYPE: **BULK UC**

ULTRACREME CEMENT

Typical Analysis

	Typical BGC Range	AS 3972	Units
Mortar Compressive Strengths			
3 day	40 – 45	-	(MPa)
7 day	48 – 54	<i>Min. 35</i>	(MPa)
28 day	60 – 66	<i>Min. 45</i>	(MPa)
Vicat Setting Time			
Normal Consistency	26.7 – 28.2	-	(%)
Initial Set	60 – 90	<i>Min. 45</i>	(minutes)
Final Set	105 – 135	<i>Max. 360</i>	(minutes)
Residue			
+45µm	2.1 – 4.4	-	(%)
Fineness Index			
	385 – 431	-	(m ² /kg)
Soundness			
	0 – 1	<i>Max. 5</i>	(mm)
Chemical Analysis			
SO ₃	2.9 – 3.1	<i>Max. 3.5</i>	(%)
SiO ₂	21.3 – 21.9	-	(%)
Al ₂ O ₃	3.7 – 3.9	-	(%)
Fe ₂ O ₃	0.2 – 0.3	-	(%)
MgO	0.5 – 0.7	-	(%)
CaO	65.7 – 66.4	-	(%)
Loss on Ignition	3.5 – 4.0	-	(%)
Na ₂ O (equivalent)	0.3 – 0.5	-	(%)
Chloride ion	0.03 – 0.06	<i>Max 0.10</i>	(%)
Whiteness	90.6 – 92.7	-	(WN/Lab)

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

Issue Date: 31 August 2022