



TYPE: **BULK GP**

GENERAL PURPOSE CEMENT

Typical Analysis

	Typical BGC Range	AS 3972	Units
Mortar Compressive Strengths			
3 day	35 – 42	-	(MPa)
7 day	45 – 53	<i>Min. 35</i>	(MPa)
28 day	56 – 67	<i>Min. 45</i>	(MPa)
Vicat Setting Time			
Normal Consistency	27.3 – 29.2	-	(%)
Initial Set	120 – 165	<i>Min. 45</i>	(minutes)
Final Set	165 – 210	<i>Max. 360</i>	(minutes)
Residue			
+45µm	3.5 – 4.5	-	(%)
Fineness Index			
	380 – 420	-	(m ² /kg)
Soundness			
	0 – 2	<i>Max. 5</i>	(mm)
Chemical Analysis			
SO ₃	2.2 – 3.1	<i>Max. 3.5</i>	(%)
SiO ₂	19.8 – 21.7	-	(%)
Al ₂ O ₃	5.0 – 6.2	-	(%)
Fe ₂ O ₃	3.0 – 3.4	-	(%)
MgO	1.4 – 2.0	-	(%)
CaO	61.2 – 64.3	-	(%)
Loss on Ignition	1.8 – 2.6	-	(%)
Na ₂ O (equivalent)	0.3 – 0.6	-	(%)
Chloride ion	0.014 – 0.033	<i>Max 0.10</i>	(%)

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

Issue Date: 27 March 2023