



TYPE **LnG**

AS1316 Masonry Binary Cement (Lime and Grey)

Typical Analysis

	Typical BGC Value	Typical BGC Range	AS 1316	Units
Mortar Compressive Strengths				
7 day	12	8 – 17	> 3.5	(MPa)
28 day	14	10 – 18	> 6	(MPa)
Vicat Setting Time				
Normal Consistency	36.6	36.1 – 37.5	-	(%)
Initial Set	90	75 – 135	<i>Min. 75</i>	(minutes)
Final Set	165	135 – 180	<i>Max. 720</i>	(minutes)
Air Content	23	14 – 27	<i>10 to 25</i>	(%)
Water Retention	83	70 – 90	<i>> 70</i>	(%)
Soundness	0.1	0 – 0.1	<i>< 1</i>	(mm)
Chemical Analysis				
SO ₃	1.9	1.9 – 2.0	-	(%)
SiO ₂	16.7	16.7 – 16.8	-	(%)
Al ₂ O ₃	3.9	3.9 – 3.9	-	(%)
Fe ₂ O ₃	2.5	2.5 – 2.6	-	(%)
MgO	2.1	2.1 – 2.1	-	(%)
CaO	64.0	63.9 – 64.1	-	(%)
Loss on Ignition	7.3	7.3 – 7.4	-	(%)

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

Issue Date: 15 August 2019