



TYPE **LnL**

AS1316 Masonry Binary Cement (Lime and Lite)

Typical Analysis

	Typical BGC Value	Typical BGC Range	AS 1316	Units
Mortar Compressive Strengths				
7 day	15	11 – 22	> 3.5	(MPa)
28 day	19	15 – 26	> 6	(MPa)
Vicat Setting Time				
Normal Consistency	37.5	35.1 – 39.0	-	(%)
Initial Set	75	60 – 120	<i>Min. 75</i>	(minutes)
Final Set	150	135 – 165	<i>Max. 720</i>	(minutes)
Air Content	20	12 – 24	<i>10 to 25</i>	(%)
Water Retention	86	78 – 92	> 70	(%)
Soundness	0.1	0 – 0.1	< 1	(mm)
Chemical Analysis				
SO ₃	2.5	2.4 – 2.5	-	(%)
SiO ₂	19.2	19.0 – 19.4	-	(%)
Al ₂ O ₃	3.0	2.9 – 3.0	-	(%)
Fe ₂ O ₃	0.2	0.2 – 0.3	-	(%)
MgO	1.6	1.5 – 1.6	-	(%)
CaO	65.0	64.2 – 65.3	-	(%)
Loss on Ignition	7.1	6.9 – 7.2	-	(%)

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

Issue Date: 15 August 2019