



TYPE **LnG**

AS1316 Masonry Binary Cement (Lime and Grey)

**Typical Analysis**

	Typical BGC Value	Typical BGC Range	AS 1316	Units
<b>Mortar Compressive Strengths</b>				
7 day	12	8 – 17	> 3.5	(MPa)
28 day	14	10 – 18	> 6	(MPa)
<b>Vicat Setting Time</b>				
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)
<b>Air Content</b>	23	14 – 27	<i>10 to 25</i>	(%)
<b>Water Retention</b>	83	70 – 90	> 70	(%)
<b>Soundness</b>	0.1	0 – 0.1	< 1	(mm)
<b>Chemical Analysis</b>				
SO <sub>3</sub>	1.9	1.9 – 2.0	-	(%)
SiO <sub>2</sub>	16.7	16.7 – 16.8	-	(%)
Al <sub>2</sub> O <sub>3</sub>	3.9	3.9 – 3.9	-	(%)
Fe <sub>2</sub> O <sub>3</sub>	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.

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**TECHNICAL DATA SHEET**

Issue Date: 29 May 2017 (For current data please check with undersigned)