



Castle Cement Ltd T/A  
Hanson Cement, Hanson House, 14 Castle Hill,  
Maidenhead, Berkshire, SL6 4JJ  
Ketton Works  
2017  
1333-CPD-00122  
BS EN 197-1:2011  
CEM I 52,5N



# Cement Test Report

Hanson Cement  
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Results of tests made at the laboratories of the company on samples of  
Ketton Portland Cement, BS EN 197-1:2011 - CEM I 52,5N.

Manufactured at Ketton during week ending 30 Jul 2017 (Week No. 30 )  
and during week ending 09 Jul 2017 (Week No. 27 ) for 28 day results

Date	Fineness Specific Surface (m <sup>2</sup> /kg)	Setting Time Initial (mins)	Soundness Expansion (mm)	Compressive Strength			Chloride %	Alkali	
				40mm x 40mm x 160mm Mortar prisms				Certified Average Alkali % Na <sub>2</sub> O eq	Standard Deviation
				2 Days (N/mm <sup>2</sup> )	7 Days (N/mm <sup>2</sup> )	28 Days (N/mm <sup>2</sup> )			
24-Jul-17	390	130	1	34.0	46.5		0.69		
25-Jul-17	395	150	1	33.0	46.0		0.69		
26-Jul-17	395	135	1	32.0	49.0		0.70		
27-Jul-17	385	155	1	33.0	48.0		0.70		
Average	390	145	1	33.0	47.5		0.06	0.02	
03-Jul-17	405	135	1	35.0	50.5	62.0	0.69		
04-Jul-17	405	135	1	32.5	48.5	60.5	0.69		
05-Jul-17	415	130	1	34.5	48.5	60.5	0.69		
06-Jul-17	415	130	0	33.0	48.0	59.5	0.69		
Average	410	135	1	34.0	49.0	60.5	0.06	0.02	

Product Declaration:  
Declared Mean Alkali (%) = 0.75 (Max)  
Declared Chloride content (%) = 0.07 (Max)

For and on behalf of  
HANSON CEMENT

National Technical Manager  
Hanson Cement