

## Chemical Report

Hanson Cement  
Ketton  
Stamford  
PE9 3SX  
Tel: 0330 123 2074  
Fax: 01780 727008

Composition of Ketton CGPC, EN 197-1:2011, CEM I 42,5N  
Dispatched from Ketton  
Chemical analysis for week ending 04-Dec-22

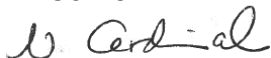
Week No. 2022-48

Compound	%
SiO <sub>2</sub>	20.86
Al <sub>2</sub> O <sub>3</sub>	5.14
Fe <sub>2</sub> O <sub>3</sub>	3.02
CaO	65.16
MgO	1.23
SO <sub>3</sub>	3.18
K <sub>2</sub> O	0.66
Na <sub>2</sub> O	0.23
Cl	0.04
Loss on Ignition	0.63
Not Detected	-0.13
Total	100.13

	%
Insol Residue	1.35
Free CaO	0.4
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.67
LSF (x 100)	94.62

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	65.4
C <sub>2</sub> S	13.3
C <sub>3</sub> A	9.0
C <sub>4</sub> AF	6.5

For and on behalf of  
HANSON CEMENT



Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM  
National Technical Manager  
Hanson Cement

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