

## Chemical Report

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

Composition of Ketton PC, EN 197-1:2011, CEM I 52,5N  
Dispatched from Ketton  
Chemical analysis for week ending 11-Dec-22

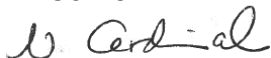
Week No. 2022-49

Compound	%
SiO <sub>2</sub>	19.64
Al <sub>2</sub> O <sub>3</sub>	4.91
Fe <sub>2</sub> O <sub>3</sub>	3.04
CaO	64.36
MgO	1.15
SO <sub>3</sub>	3.23
K <sub>2</sub> O	0.60
Na <sub>2</sub> O	0.26
Cl	0.04
Loss on Ignition	3.32
Not Detected	-0.54
Total	100.54

	%
Insol Residue	1.83
Free CaO	0.4
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.67
LSF (x 100)	98.80

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	63.4
C <sub>2</sub> S	10.1
C <sub>3</sub> A	9.3
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

Hanson Cement has used all reasonable care to ensure the information herein contained is accurate but to the extent permitted in law, no liability can be accepted by Hanson Cement for any loss, damage, cost or expense arising from any inaccuracy, whether due to negligence or otherwise.