

## Chemical Report

Heidelberg Materials

UK

Ketton

Stamford

PE9 3SX

Tel: 0330 123 2074

Fax: 01780 727008

Composition of Ribblesdale PLC 52,5N, EN 197-1:2011, CEM II/A-LL 52,5N

Dispatched from Ribblesdale

Chemical analysis for week ending 17-Dec-23

Week No. 2023-50

Compound	%
SiO <sub>2</sub>	18.86
Al <sub>2</sub> O <sub>3</sub>	4.30
Fe <sub>2</sub> O <sub>3</sub>	2.52
CaO	64.54
MgO	1.80
SO <sub>3</sub>	3.19
K <sub>2</sub> O	0.55
Na <sub>2</sub> O	0.20
Cl	0.07
Loss on Ignition	n/a
Not Detected	4.00
Total	96.00

	%
Insol Residue	n/a
Free CaO	1.0
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.64
LSF (x 100)	104.58

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	51.6
C <sub>2</sub> S	18.1
C <sub>3</sub> A	3.8
C <sub>4</sub> AF	7.8

For and on behalf of  
HEIDELBERG MATERIALS UK



Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM

National Technical Manager

Heidelberg Materials UK

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