

## Chemical Report

Heidelberg Materials

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Composition of Ribblesdale PC, EN 197-1:2011, CEM I 52,5N

Dispatched from Ribblesdale

Chemical analysis for week ending 14-Dec-25

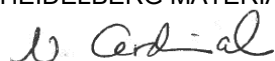
Week No. 2025-49

Compound	%
SiO <sub>2</sub>	19.38
Al <sub>2</sub> O <sub>3</sub>	4.40
Fe <sub>2</sub> O <sub>3</sub>	2.59
CaO	63.44
MgO	2.22
SO <sub>3</sub>	3.28
K <sub>2</sub> O	0.62
Na <sub>2</sub> O	0.27
Cl	0.06
Loss on Ignition	3.16
Not Detected	0.58
Total	99.42

	%
Insol Residue	0.71
Free CaO	1.8
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.67
LSF (x 100)	99.88

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	60.2
C <sub>2</sub> S	15.2
C <sub>3</sub> A	6.4
C <sub>4</sub> AF	6.5

For and on behalf of  
HEIDELBERG MATERIALS UK



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

Technical Strategy Director

Heidelberg Materials UK

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