

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 15-Jun-25

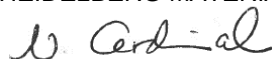
Week No. 2025-23

Compound	%
SiO ₂	19.65
Al ₂ O ₃	4.48
Fe ₂ O ₃	2.45
CaO	63.25
MgO	2.07
SO ₃	3.33
K ₂ O	0.62
Na ₂ O	0.27
Cl	0.07
Loss on Ignition	3.44
Not Detected	0.38
Total	99.62

	%
Insol Residue	0.72
Free CaO	1.8
Certified Average Alkali Na ₂ O (Equiv)	0.68
LSF (x 100)	98.29

Clinker compounds by Rietveld analysis	
C ₃ S	60.3
C ₂ S	16.1
C ₃ A	5.7
C ₄ AF	6.4

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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