

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 21-Sep-25

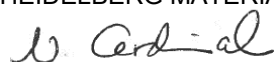
Week No. 2025-37

Compound	%
SiO ₂	20.11
Al ₂ O ₃	4.66
Fe ₂ O ₃	2.67
CaO	63.81
MgO	2.23
SO ₃	3.68
K ₂ O	0.64
Na ₂ O	0.27
Cl	0.07
Loss on Ignition	3.22
Not Detected	-1.37
Total	101.37

	%
Insol Residue	0.65
Free CaO	1.0
Certified Average Alkali Na ₂ O (Equiv)	0.68
LSF (x 100)	96.24

Clinker compounds by Rietveld analysis	
C ₃ S	63.4
C ₂ S	14.7
C ₃ A	3.7
C ₄ AF	8.1

For and on behalf of
HEIDELBERG MATERIALS UK



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

Technical Strategy Director

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