

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 20-Jul-25

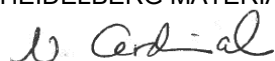
Week No. 2025-28

Compound	%
SiO ₂	19.16
Al ₂ O ₃	4.72
Fe ₂ O ₃	2.43
CaO	63.11
MgO	2.27
SO ₃	3.44
K ₂ O	0.65
Na ₂ O	0.27
Cl	0.07
Loss on Ignition	2.66
Not Detected	1.24
Total	98.76

	%
Insol Residue	0.89
Free CaO	1.5
Certified Average Alkali Na ₂ O (Equiv)	0.67
LSF (x 100)	99.72

Clinker compounds by Rietveld analysis	
C ₃ S	59.9
C ₂ S	15.0
C ₃ A	6.5
C ₄ AF	6.3

For and on behalf of
HEIDELBERG MATERIALS UK



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

Technical Strategy Director

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