

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-Dec-25

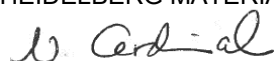
Week No. 2025-50

Compound	%
SiO ₂	18.88
Al ₂ O ₃	4.33
Fe ₂ O ₃	2.69
CaO	63.53
MgO	2.15
SO ₃	3.16
K ₂ O	0.60
Na ₂ O	0.25
Cl	0.06
Loss on Ignition	3.16
Not Detected	1.19
Total	98.81

	%
Insol Residue	0.71
Free CaO	1.7
Certified Average Alkali Na ₂ O (Equiv)	0.66
LSF (x 100)	102.52

Clinker compounds by Rietveld analysis	
C ₃ S	61.7
C ₂ S	13.2
C ₃ A	6.8
C ₄ AF	7.0

For and on behalf of
HEIDELBERG MATERIALS UK



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

Technical Strategy Director

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